

singlechaintoxin.txt

? e au=shone, c?

Ref	Items	Index-term
E1	32	AU=SHONE, C. C.
E2	4	AU=SHONE, C.C.
E3	0	AU=SHONE, C?
E4	56	AU=SHONE, CC
E5	4	AU=SHONE, CC*
E6	1	AU=SHONE, CHARLES CLIFFORD
E7	1	AU=SHONE, CLIFF
E8	2	AU=SHONE, CLIFF C.
E9	5	AU=SHONE, CLIFFORD
E10	14	AU=SHONE, CLIFFORD C
E11	9	AU=SHONE, CLIFFORD C (ED)
E12	53	AU=SHONE, CLIFFORD C.
E13	1	AU=SHONE, CLIFFORD C. (ED)
E14	15	AU=SHONE, CLIFFORD CHARLES
E15	1	AU=SHONE, D.
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E17	2	AU=SHONE, D. K.
E18	1	AU=SHONE, D. L
E19	7	AU=SHONE, D. L.
E20	3	AU=SHONE, D.L.
E21	2	AU=SHONE, DG
E22	3	AU=SHONE, DICK
E23	2	AU=SHONE, DUDLEY K.
E24	10	AU=SHONE, E. B.
E25	3	AU=SHONE, E.B

Enter PAGE for more

? s e1-e14

	32	AU=SHONE, C. C.
	4	AU=SHONE, C.C.
	0	AU=SHONE, C?
	56	AU=SHONE, CC
	4	AU=SHONE, CC*
	1	AU=SHONE, CHARLES CLIFFORD
	1	AU=SHONE, CLIFF
	2	AU=SHONE, CLIFF C.
	5	AU=SHONE, CLIFFORD
	14	AU=SHONE, CLIFFORD C
	9	AU=SHONE, CLIFFORD C (ED)
	53	AU=SHONE, CLIFFORD C.
	1	AU=SHONE, CLIFFORD C. (ED)
	15	AU=SHONE, CLIFFORD CHARLES
S10	196	S E1-E14

? s s10 and toxin

	196	S10
	1038535	TOXIN
S11	140	S S10 AND TOXIN

? rd

>>>W: Duplicate detection is not supported for File 393.
 Duplicate detection is not supported for File 391.
 Records from unsupported files will be retained in the RD set.
 S12 85 RD (UNIQUE ITEMS)

? t s12/3,k/1-85

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12/3,k/1 (Item 1 from file: 6) Links

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Page 1

singlechaintoxin.txt
1919572 NTIS Accession Number: AD-A252 400/7
Purification and Radiolabeling of Clostridium botulinum Type F Neurotoxin.
(Reannouncement with New Availability Information)

Shone, C. C. ; Tranter, H. S. ; Alexander, F. C.
Porton Products Ltd., Washington, DC.
Corporate Source Codes: 103831000; 422423

1992 17p
Language: English Document Type: Journal article
Journal Announcement: GRAI9603
Pub. in Methods in Neurosciences, v8 p165-179 1992. Order this product from NTIS by:
phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at
(703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port
Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A03/MF A01
Shone, C. C. ; Tranter, H. S. ; Alexander, F. C.
...all the botulinum neurotoxins is the neuromuscular junction where, following a
binding step in which toxin molecules interact with acceptor sites on the
presynaptic nerve surface, they enter the nerve ending... ..molecule on the
presynaptic nerve surface and once inside the nerve ending not all the toxin types
appear to block the transmitter release process by the same mechanism.
Descriptors:

12/3,K/2 (Item 2 from file: 6) Links
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1901268 NTIS Accession Number: AD-A245 627/5
Multiple Domains of Botulinum Neurotoxin Contribute to Its Inhibition of Transmitter
Release in Aplysia Neurons. (Reannouncement with New Availability Information)
Poulain, B. ; Wadsworth, J. D. ; Shone, C. C. ; Mochida, S. ; Lande, S.
Imperial Coll. of Science and Technology, London (England).
Corporate Source Codes: 012594000; 176350

25 Dec 89 8p
Language: English Document Type: Journal article
Journal Announcement: GRAI9522
Pub. in Jnl. of Biological Chemistry, v264 n36 p21928-21933, 25 Dec 89. Order this
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countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is
located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01
Poulain, B. ; Wadsworth, J. D. ; Shone, C. C. ; Mochida, S. ; Lande, S.
...internalization, and inhibition of transmitter release by botulinum neurotoxin
(BoNT) was investigated using the intact toxin, its heavy (HC) or light (LC) chains,
and a proteolytic fragment thereof. In Aplysia neurons...
Descriptors:

12/3,K/3 (Item 3 from file: 6) Links
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1901267 NTIS Accession Number: AD-A245 626/7
Inhibition of Transmitter Release by Botulinum Neurotoxin A: Contribution of Various
Fragments to the Intoxication Process. (Reannouncement with New Availability
Information)

Poulain, B. ; Wadsworth, J. D. ; Maisey, E. A. ; Shone, C. C. ; Melling, J.
Imperial Coll. of Science and Technology, London (England).

singlechaintoxin.txt
Corporate Source Codes: 012594000; 176350

1989 8p
Language: English Document Type: Journal article
Journal Announcement: GRAI9522
Pub. in European Jnl. of Biochemistry, v185 p197-203 1989. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.
NTIS Prices: PC A02/MF A01
Poulain, B. ; Wadsworth, J. D. ; Maisey, E. A. ; Shone, C. C. ; Melling, J.
...the neuromuscular junction the potency of this mixture was much lower than that of native toxin. A similar blockade resulted when heavy chain was applied intracellularly and H2L added to the...
Descriptors:

12/3,K/4 (Item 4 from file: 6) Links
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1665893 NTIS Accession Number: AD-A252 400/7
Purification and Radiolabeling of Clostridium botulinum Type F Neurotoxin

Shone, C. C. ; Tranter, H. S. ; Alexander, F. C.
Porton Products Ltd., Washington, DC.
Corporate Source Codes: 103831000; 422423

1992 17p
Language: English Document Type: Journal article
Journal Announcement: GRAI9220
Pub. in Methods in Neurosciences, v8 p165-179 1992. Available only to DTIC users. No copies furnished by NTIS.
NTIS Prices: Not available NTIS
Shone, C. C. ; Tranter, H. S. ; Alexander, F. C.
...all the botulinum neurotoxins is the neuromuscular junction where, following a binding step in which toxin molecules interact with acceptor sites on the presynaptic nerve surface, they enter the nerve ending... molecule on the presynaptic nerve surface and once inside the nerve ending not all the toxin types appear to block the transmitter release process by the same mechanism.
Descriptors:

12/3,K/5 (Item 5 from file: 6) Links
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1634657 NTIS Accession Number: AD-A245 627/5
Multiple Domains of Botulinum Neurotoxin Contribute to Its Inhibition of Transmitter Release in Aplysia Neurons

Poulain, B. ; Wadsworth, J. D. ; Shone, C. C. ; Mochida, S. ; Lande, S.
Imperial Coll. of Science and Technology, London (England).
Corporate Source Codes: 012594000; 176350

25 Dec 89 8p
Language: English Document Type: Journal article
Journal Announcement: GRAI9210
Pub. in Jnl. of Biological Chemistry, v264 n36 p21928-21933, 25 Dec 89. Available only to DTIC users. No copies furnished by NTIS.
NTIS Prices: Not available NTIS
Poulain, B. ; Wadsworth, J. D. ; Shone, C. C. ; Mochida, S. ; Lande, S.
...internalization, and inhibition of transmitter release by botulinum neurotoxin
Page 3

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(BoNT) was investigated using the intact toxin, its heavy (HC) or light (LC) chains, and a proteolytic fragment thereof. In Aplysia neurons...
Descriptors:

12/3,K/6 (Item 6 from file: 6) Links
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1634656 NTIS Accession Number: AD-A245 626/7
Inhibition of Transmitter Release by Botulinum Neurotoxin A: Contribution of Various Fragments to the Intoxication Process
Poulain, B. ; Wadsworth, J. D. ; Maisey, E. A. ; Shone, C. C. ; Melling, J.
Imperial Coll. of Science and Technology, London (England).
Corporate Source Codes: 012594000; 176350

1989 8p
Language: English Document Type: Journal article
Journal Announcement: GRAI9210
Pub. in European Jnl. of Biochemistry, v185 p197-203 1989. Available only to DTIC users. No copies furnished by NTIS.
NTIS Prices: Not available NTIS
Poulain, B. ; Wadsworth, J. D. ; Maisey, E. A. ; Shone, C. C. ; Melling, J.
...the neuromuscular junction the potency of this mixture was much lower than that of native toxin. A similar blockade resulted when heavy chain was applied intracellularly and H2L added to the...
Descriptors:

12/3,K/7 (Item 1 from file: 24) Links
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0002792892 IP Accession No: 6677378
Analysis of the substrate recognition domain determinants of Botulinum Type B toxin using Phase Display

Evans, ER; Sutton, JM; Gravett, A; Shone, CC Health Protection Agency, Centre for Emergency Preparedness and Response, Porton Down, Salisbury, Wilts. SP4 0JG, UK, [mailto:liz.evans@hpa.org.uk]
Toxicon, v 46, n 4, p 446-453, September 2005
Publication Date: 2005
Publisher: Elsevier Science Ltd., Pergamon, P.O. Box 800 Kidlington Oxford OX5 1DX UK, [mailto:ninfo-f@elsevier.nl], [URL:http://www.elsevier.nl]

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0041-0101
File Segment: Toxicology Abstracts
Analysis of the substrate recognition domain determinants of Botulinum Type B toxin using Phase Display

Evans, ER; Sutton, JM; Gravett, A; Shone, CC

Abstract:
...employed to generate a library of vesicle-associated membrane protein (VAMP2) variants in which the toxin recognition motif (part of the SNARE motif ELDDRADDA) has been modified. VAMP (1-94) was...

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12/3,K/8 (Item 2 from file: 24) Links
CSA Life Sciences Abstracts
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0002486360 IP Accession No: 5645004
Recombinant toxin fragments

Shone, CC; Quinn, CP; Foster, KA Microbiological Research Authority
, p [np], October 8, 2002
Publication Date: 2002

Document Type: Patent
Record Type: Abstract
Language: English
Summary Language: English
File Segment: Medical & Pharmaceutical Biotechnology Abstracts
Recombinant toxin fragments

Shone, CC; Quinn, CP; Foster, KA

Abstract:

...membrane associated proteins essential to exocytosis. The polypeptide thus combines useful properties of a clostridial toxin, such as a botulinum or tetanus toxin, without the toxicity associated with the natural molecule. The polypeptide can also contain a third... ..activation of the polypeptide is possible and the polypeptide can be incorporated into vaccines and toxin assays.

12/3,K/9 (Item 3 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
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0002373660 IP Accession No: 5450650
Inhibition of Release of Neurotransmitters from Rat Dorsal Root Ganglia by a Novel Conjugate of a Clostridium botulinum Toxin A Endopeptidase Fragment and Erythrina cristagalli Lectin

Duggan, MJ; Quinn, CP; Chaddock, JA; Purkiss, JR; Alexander, FCG; Doward, S; Fooks, SJ; Friis, LM; Hall, YHJ; Kirby, ER; Leeds, N; Mouldsdales, HJ; Dickenson, A; Green, GM; Rahman, W; Suzuki, R; Shone, CC; Foster, KA Centre for Applied Microbiology and Research, Porton Down, Salisbury, Wiltshire SP4 0JG, United Kingdom,
[mailto:john.chaddock@camr.org.uk]
Journal of Biological Chemistry, v 277, n 38, p 34846-34852, September 20, 2002
Publication Date: 2002

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0021-9258
File Segment: Toxicology Abstracts; CSA Neurosciences Abstracts
...of Neurotransmitters from Rat Dorsal Root Ganglia by a Novel Conjugate of a Clostridium botulinum Toxin A Endopeptidase Fragment and Erythrina cristagalli Lectin

...YHJ; Kirby, ER; Leeds, N; Mouldsdales, HJ; Dickenson, A; Green, GM; Rahman, W; Suzuki, R; Shone, CC; Foster, KA

12/3,K/10 (Item 4 from file: 24) Links
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CSA Life Sciences Abstracts

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0002161640 IP Accession No: 4794225

Modification of surface histidine residues abolishes the cytotoxic activity of Clostridium difficile toxin A

Roberts, AK; Shone, CC Research Division, Centre for Applied Microbiology and Research, Porton Down, Salisbury, Wiltshire SP4 0JG, UK,

[mailto:april.roberts@camr.org.uk]

Toxicon , v 39 , n 2-3 , p 325-333 , March 2000

Publication Date: 2000

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0041-0101

File Segment: Bacteriology Abstracts (Microbiology B); Toxicology Abstracts

Modification of surface histidine residues abolishes the cytotoxic activity of Clostridium difficile toxin A

Roberts, AK; Shone, CC

Abstract:

Clostridium difficile toxin A displays both cytotoxic and enterotoxigenic activities. It has recently been demonstrated that toxin A exerts its cytotoxic effect by the glucosylation of the small GTP-binding proteins of... Diethyl pyrocarbonate, at pH 7.0, was used to chemically modify exposed histidine residues on toxin A. Modification of toxin A with diethyl pyrocarbonate abolished both its cytotoxic activity and the ability of the toxin to bind Zn-Sepharose gel. Treatment of toxin A with [super(14)C]-diethyl pyrocarbonate revealed concentration dependent labelling of histidine residues on the toxin molecules. The effects of diethyl pyrocarbonate could be reversed by hydroxylamine treatment. These data suggest the modified histidine residues on toxin A are critical to its cytotoxic activity. Histidine modification had no effect on the glucosyl transferase enzyme activity of toxin A. However, modification abolished the 'cold' binding of toxin to bovine thyroglobulin in an ELISA and reduced ligand binding activity in a rabbit erythrocyte... data suggest that the histidine residues may be crucial to the receptor-binding activity of toxin A. Exposed histidines on toxin A are available for zinc chelation, and these have been exploited in the development of a novel purification protocol for toxin A using zinc-chelating chromatography.

Descriptors: Rho protein; Cytotoxicity; Toxin A; Clostridium difficile

Identifiers:

12/3,K/11 (Item 5 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001780966 IP Accession No: 4215574

The interaction of synaptic vesicle-associated membrane protein/synaptobrevin with botulinum neurotoxins D and F

Pellizzari, R; Mason, S; Shone, CC; Montecucco, C* Centro CNR Biomembrane and Dipto. di Scienze Biomediche, Univ. di Padova, Via G. Colombo 3, 35100 Padova, Italy

FEBS Letters , v 409 , n 3 , p 339-342 , June 1997

Publication Date: 1997

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-5793

singlechaintoxin.txt

File Segment: CSA Neurosciences Abstracts; Toxicology Abstracts
Pellizzari, R; Mason, S; Shone, CC; Montecucco, C*

Descriptors:

Identifiers: synaptic vesicle-associated membrane protein; synaptobrevin; botulinum toxin

Subj Catg:

12/3,K/12 (Item 6 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001644038 IP Accession No: 3947840

Development of novel assays for botulinum type A and B neurotoxins based on their endopeptidase activities

Hallis, B; James, BAF; Shone, CC* Protein Toxins Sect., CAMR, Porton Down,
Salisbury, Wiltshire SP4 0JG, UK

Journal of Clinical Microbiology, v 34, n 8, p 1934-1938, 1996

Addl. Source Info: Journal of Clinical Microbiology [J. CLIN. MICROBIOL.], vol. 34,
no. 8, pp. 1934-1938, 1996

Publication Date: 1996

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0095-1137

File Segment: Bacteriology Abstracts (Microbiology B); Industrial & Applied

Microbiology Abstracts (Microbiology A); CSA Neurosciences Abstracts

Hallis, B; James, BAF; Shone, CC*

Abstract:

...substrate representing amino acid residues 60 to 94 of the intracellular target protein for the toxin, VAMP (vesicle-associated membrane protein, or synaptobrevin). In this assay system, immobilized VAMP (60-94on catalyzed reporter deposition. Trypsin treatment of BONT/B samples, which converts the single-chain toxin to the active di-chain form, was found to increase the sensitivity of the endopeptidase...

12/3,K/13 (Item 7 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001622249 IP Accession No: 3919769

Botulinum neurotoxin C1 cleaves both syntaxin and SNAP-25 in intact and permeabilized chromaffin cells: Correlation with its blockade of catecholamine release

Foran, P; Lawrence, GW; Shone, CC; Foster, KA; Dolly, JO* Dep. Biochem., Imperial Coll., London SW7 2AY, UK

Biochemistry (Washington), v 35, n 8, p 2630-2636, 1996

Addl. Source Info: Biochemistry (Washington) [BIOCHEMISTRY (WASH.)], vol. 35, no. 8, pp. 2630-2636, 1996

Publication Date: 1996

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0006-2960

File Segment: Bacteriology Abstracts (Microbiology B); Toxicology Abstracts; CSA
Neurosciences Abstracts
Foran, P; Lawrence, GW; Shone, CC; Foster, KA; Dolly, JO*

Abstract:

...were examined together with its underlying molecular action. Intact chromaffin cells were exposed to the toxin, and catecholamine release therefrom was then measured in conjunction with the monitoring of syntaxin cleavage... ...C-terminal peptide of SNAP-25 revealed the additional disappearance of immunoreactivity, with the same toxin concentration dependency as syntaxin breakdown. Notably, the cleaved SNAP-25 product was similar in size...

Identifiers: botulinum toxin; syntaxin; SNAP-25 protein

Subj Catg:

12/3,K/14 (Item 8 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts

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0001549462 IP Accession No: 3820734

Botulinum neurotoxin type C cleaves a single Lys-Ala bond within the carboxyl-terminal region of syntaxins

Schiavo, G; Shone, CC; Bennett, MK; Scheller, RH; Montecucco, C Cent. CNR

Biomebrane, Univ. Padova, Via Trieste 75, 35121 Padova, Italy

Journal of Biological Chemistry, v 270, n 18, p 10566-10570, 1995

Add. Source Info: Journal of Biological Chemistry [J. BIOL. CHEM.], vol. 270, no. 18, pp. 10566-10570, 1995

Publication Date: 1995

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0021-9258

File Segment: Bacteriology Abstracts (Microbiology B); Toxicology Abstracts; Medical & Pharmaceutical Biotechnology Abstracts; CSA Neurosciences Abstracts

Schiavo, G; Shone, CC; Bennett, MK; Scheller, RH; Montecucco, C

Abstract:

...atom of zinc, highly purified preparations of BoNT/C bind two atoms of zinc per toxin molecule. BoNT/C is a zinc-endopeptidase that cleaves syntaxin 1A at the Lys super...

12/3,K/15 (Item 9 from file: 24) Links

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CSA Life Sciences Abstracts

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0001536323 IP Accession No: 3799570

Differences in the protease activities of tetanus and botulinum B toxins revealed by the cleavage of vesicle-associated membrane protein and various sized fragments

Foran, P; Shone, CC; Dolly, JO* Dep. Biochem., Imperial Coll., London SW7 2AY, UK
Biochemistry (Washington), v 33, n 51, p 15365-15374, 1994

Add. Source Info: Biochemistry (Washington) [BIOCHEMISTRY (WASH.)], vol. 33, no.

51, pp. 15365-15374, 1994

Publication Date: 1994

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0006-2960

File Segment: Bacteriology Abstracts (Microbiology B); Toxicology Abstracts; CSA Neurosciences Abstracts

Foran, P; Shone, CC; Dolly, JO*

Abstract:

Botulinum neurotoxin serotype B (BoNT/B) and tetanus toxin (TeTx) block neuroexocytosis through selective endoproteolysis of vesicle-associated membrane protein (VAMP). The enzymological properties...

Identifiers: tetanus toxin; botulinum toxin; proteinase

Subj Catg:

12/3,K/16 (Item 10 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001463649 IP Accession No: 3706109

Peptide substrate specificity and properties of the zinc-endopeptidase activity of botulinum type B neurotoxin

Shone, CC; Roberts, AK Protein Toxins Sect., Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, Wilts SP4 0JG, UK

European Journal of Biochemistry, v 225, n 1, p 263-270, 1994

Add. Source Info: European Journal of Biochemistry [EUR. J. BIOCHEM.], vol. 225, no. 1, pp. 263-270, 1994

Publication Date: 1994

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-2956

File Segment: Bacteriology Abstracts (Microbiology B)

Shone, CC; Roberts, AK

Abstract:

...2 peptide. The properties and substrate specificity of botulinum type B neurotoxin suggest that the toxin represents a novel class of endopeptidase which requires a specific peptide substrate conformation for the...

12/3,K/17 (Item 11 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001366223 IP Accession No: 3578190

A role for the interchain disulfide or its participating thiols in the internalization of botulinum neurotoxin A revealed by a toxin derivative that binds to ecto-acceptors and inhibits transmitter release intracellularly

De Paiva, A; Poulain, B; Lawrence, GW; Shone, CC; Tauc, L; Dolly, JO* Dep. Biochem., Imperial Coll. Sci., Technol. Med., London SW7 2AY, UK

Journal of Biological Chemistry, v 268, n 28, p 20838-20844, 1993

Add. Source Info: Journal of Biological Chemistry [J. BIOL. CHEM.], vol. 268, no. 28, pp. 20838-20844, 1993

Publication Date: 1993

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Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0021-9258

File Segment: Bacteriology Abstracts (Microbiology B)

...disulfide or its participating thiols in the internalization of botulinum neurotoxin A revealed by a toxin derivative that binds to ecto-acceptors and inhibits transmitter release intracellularly

De Paiva, A; Poulain, B; Lawrence, GW; Shone, CC; Tauc, L; Dolly, JO*

Abstract:

...the mouse nerve-diaphragm and the buccal ganglion of *Aplysia californica*. However, reduction of the toxin prior to alkylation drastically decreased neuromuscular potency; yet, this derivative inhibited transmitter release if injected... motor nerve endings and *Aplysia* neurons indicates retention of the ability to bind to the toxin's productive ecto-acceptors. Thus, the abolition of the toxicity of extracellularly applied botulinum neurotoxin ...

12/3,K/18 (Item 12 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0001061582 IP Accession No: 2582239

Heterologous combinations of heavy and light chains from botulinum neurotoxin A and tetanus toxin inhibit neurotransmitter release in *Aplysia* .

Poulain, B; Mochida, S; Weller, U; Hoegy, B; Habermann, E; Wadsworth, JDF; Shone, CC; Dolly, JO; Tauc, L Lab. Neurobiol. Cell. et Mol., Cent. Natl. Rech. Sci., F-91198 Gif-sur-Yvette Cedex, France

Journal of Biological Chemistry, v 266, n 15, p 9580-9585, 1991

Add. Source Info: Journal of Biological Chemistry [J. BIOL. CHEM.], vol. 266, no. 15, pp. 9580-9585, 1991

Publication Date: 1991

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0021-9258

File Segment: Biological Membranes (Biochemistry Abstracts 1); Toxicology Abstracts;

CSA Neurosciences Abstracts

Heterologous combinations of heavy and light chains from botulinum neurotoxin A and tetanus toxin inhibit neurotransmitter release in *Aplysia* .

Poulain, B; Mochida, S; Weller, U; Hoegy, B; Habermann, E; Wadsworth, JDF; Shone, CC; Dolly, JO; Tauc, L

Abstract:

The neuromuscular activities of botulinum neurotoxin type A (BoNT A), tetanus toxin (TeTx), or homologous and heterologous combinations of their constituent polypeptides were examined at cholinergic and...

12/3,K/19 (Item 13 from file: 24) Links

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CSA Life Sciences Abstracts

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0000938112 IP Accession No: 2306182

singlechaintoxin.txt

The complete amino acid sequence of the Clostridium botulinum type A neurotoxin, deduced by nucleotide sequence analysis of the encoding gene.

Thompson, DE; Brehm, JK; Oultram, JD; Swinfield, T-J; Shone, CC; Atkinson, T; Melling, J; Minton, NP Mol. Genet. Group, Div. Biotechnol., Public Health Lab. Serv., Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, Wiltshire SP4 0JG, UK
European Journal of Biochemistry, v 189, n 1, p 73-81, 1990
Addl. Source Info: European Journal of Biochemistry [EUR. J. BIOCHEM.], vol. 189, no. 1, pp. 73-81, 1990
Publication Date: 1990

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-2956

File Segment: Bacteriology Abstracts (Microbiology B); Amino Acids, Peptides & Proteins (Biochemistry Abstracts 3); Nucleic Acids Abstracts; Genetics Abstracts
Thompson, DE; Brehm, JK; Oultram, JD; Swinfield, T-J; Shone, CC; Atkinson, T; Melling, J; Minton, NP

Abstract:

...expression of a toxic molecule. The deduced amino acid sequence exhibited 33% similarity to tetanus toxin, with the most highly conserved regions occurring between the N-termini of the respective heavy ... the tentative identification of those residues which probably form the disulphide bridge linking the two toxin subfragments.

12/3,K/20 (Item 14 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0000768742 IP Accession No: 1939306

Purification of anthrax-toxin components by high-performance anion-exchange, gel-filtration and hydrophobic-interaction chromatography.

Quinn, CP; Shone, CC; Turnbull, PCB; Melling, J Vaccine Res. and Prod. Lab., Public Health Lab. Serv., Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, Wilts. SP4 0JG, UK

Biochemical Journal, v 252, n 3, p 753-758, 1988

Addl. Source Info: Biochemical Journal [BIOCHEM. J.], vol. 252, no. 3, pp. 753-758, 1988

Publication Date: 1988

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0264-6021

File Segment: Amino Acids, Peptides & Proteins (Biochemistry Abstracts 3)

Purification of anthrax-toxin components by high-performance anion-exchange, gel-filtration and hydrophobic-interaction chromatography.

Quinn, CP; Shone, CC; Turnbull, PCB; Melling, J

Abstract:

A procedure has been developed for purification of the tripartite anthrax- toxin components. This involves sequential high-performance anion-exchange, gel-filtration and hydrophobic-interaction chromatography. From...

12/3,K/21 (Item 15 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts

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0000630278 IP Accession No: 1654547

A 50-kDa fragment from the NH sub(2)-terminus of the heavy subunit of Clostridium botulinum type A neurotoxin forms channels in lipid vesicles.

Shone, CC; Hambleton, P; Melling, L Vaccine Res. and Prod. Lab., PHLS Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, Wilts. SP4 0JG, UK

European Journal of Biochemistry, v 167, n 1, p 175-180, 1987

Addl. Source Info: European Journal of Biochemistry [EUR. J. BIOCHEM.], vol. 167, no. 1, pp. 175-180, 1987

Publication Date: 1987

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-2956

File Segment: Bacteriology Abstracts (Microbiology B); Biological Membranes (Biochemistry Abstracts 1)

Shone, CC; Hambleton, P; Melling, L

Abstract:

...release rapidly decreased and was undetectable above pH 6.0 The binding of radiolabelled botulinum toxin to a variety of phospholipids was assessed. High levels of toxin binding were only observed to lipid vesicles with an overall negative charge; much weaker binding...to lipid vesicles composed of electrically neutral phospholipids. A positive correlation between the efficiency of toxin-binding and the efficiency of K super(+) release from lipid vesicles was not observed.cles ...

12/3,K/22 (Item 16 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts

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0000620655 IP Accession No: 1635930

Evaluation of a monoclonal antibody-based immunoassay for detecting type A Clostridium botulinum toxin produced in pure culture and an inoculated model cured meat system.

Gibson, AM; Modi, NK; Roberts, TA; Shone, CC; Hambleton, P; Melling, J Agric. and Food Res. Council, Inst. Food Res., Bristol Lab., Langford, Bristol BS18 7DY, UK

Journal of applied bacteriology. Oxford, v 63, n 3, p 217-226, 1987

Addl. Source Info: J. APPL. BACTERIOL., vol. 63, no. 3, pp. 217-226, 1987

Publication Date: 1987

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0021-8847

File Segment: Bacteriology Abstracts (Microbiology B); Industrial & Applied Microbiology Abstracts (Microbiology A)

Evaluation of a monoclonal antibody-based immunoassay for detecting type A Clostridium botulinum toxin produced in pure culture and an inoculated model cured meat system.

singlechaintoxin.txt

Gibson, AM; Modi, NK; Roberts, TA; Shone, CC; Hambleton, P; Melling, J

Abstract:

...antibody-based amplified enzyme-linked immunosorbent assay (ELISA) method for detecting Clostridium botulinum type A toxin was evaluated for its ability to detect the toxin in the supernatant fluid of pure cultures and after growth from C. botulinum spores inoculated... before storage at 15 degree, 20 degree or 27 degree C. The presence of specific toxin was confirmed by mouse bioassay and results compared with those of the amplified ELISA method.

12/3,K/23 (Item 17 from file: 24) Links

CSA Life Sciences Abstracts

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0000602132 IP Accession No: 1593336

Tryptic cleavage close to the COOH-terminus of the heavy subunit of Clostridium botulinum type A neurotoxin destroys toxin binding activity.

Shone, CC; Hambleton, P; Melling, J PHLS Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, Wiltshire SP4 0JG, UK

Editor: Falmagne, P; Alouf, JE; Fehrenbach, FJ; Jeljaszewicz, J; Thelestam, M (eds), 1986

Addl. Source Info: BACTERIAL PROTEIN TOXINS., 1986, pp. 71-72, ZENTRALBL. BAKTERIOL. MIKROBIOL. HYG., no. supp. 15

Publication Date: 1986

Conference:

2. European Workshop on Bacterial Protein Toxins, Wepion (Belgium), 30 Jun-4 Jul 1985

Document Type: Book Monograph; Conference

Record Type: Abstract

Language: English

ISBN: 3437110837

File Segment: Bacteriology Abstracts (Microbiology B); Amino Acids, Peptides & Proteins (Biochemistry Abstracts 3); Industrial & Applied Microbiology Abstracts (Microbiology A)

...to the COOH-terminus of the heavy subunit of Clostridium botulinum type A neurotoxin destroys toxin binding activity.

Shone, CC; Hambleton, P; Melling, J

12/3,K/24 (Item 18 from file: 24) Links

CSA Life Sciences Abstracts

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0000596958 IP Accession No: 1582070

Understanding toxin action: Clostridium botulinum neurotoxins, their structures and modes of action.

Shone, CC Vaccine Res. and Prod. Lab., P.H.L.S. Cent. Appl. Microbiol. and Res., Porton Down, Salisbury SP4 0JG, UK

Editor: Watson, DH (ed), p 11-57, 1987

Addl. Source Info: NATURAL TOXICANTS IN FOOD. PROGRESS AND PROSPECTS., 1987, pp. 11-57, ELLIS HORWOOD SERIES IN FOOD SCIENCE AND TECHNOLOGY.

Publication Date: 1987

Document Type: Book Monograph

Record Type: Abstract

Language: English

ISBN: 0895735482

singlechaintoxin.txt

File Segment: Toxicology Abstracts; Bacteriology Abstracts (Microbiology B); Industrial & Applied Microbiology Abstracts (Microbiology A); Health & Safety Science Abstracts
Understanding toxin action: Clostridium botulinum neurotoxins, their structures and modes of action.

Shone, CC

Abstract:

...sub(2), D, E, F and G) have been identified. Except type C sub(2) toxin, which has enterotoxin-like activity, these toxins act primarily on the peripheral nervous system, inhibiting...

12/3,K/25 (Item 19 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0000506149 IP Accession No: 1381735

Botulinum neurotoxin type B: Its purification, radioiodination and interaction with rat-brain synaptosomal membranes.

Evans, DM; Williams, RS; Shone, CC; Hambleton, PH; Melling, J; Dolly, JO Dep. Biochem., Imperial Coll. Sci. and Technol., Imperial Institute Rd., London SW7 2AZ, UK

European Journal of Biochemistry, v 154, n 2, p 409-416, 1986

Addl. Source Info: European Journal of Biochemistry [EUR. J. BIOCHEM.], vol. 154, no. 2, pp. 409-416, 1986

Publication Date: 1986

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-2956

File Segment: Bacteriology Abstracts (Microbiology B); Biological Membranes (Biochemistry Abstracts 1); Amino Acids, Peptides & Proteins (Biochemistry Abstracts 3); CSA Neurosciences Abstracts

Evans, DM; Williams, RS; Shone, CC; Hambleton, PH; Melling, J; Dolly, JO

Abstract:

...super(8) mouse LD sub(50) units/mg protein. super(125)I-iodination of the toxin to high specific radioactivities (19-63 TBq/mmol) yielded typically > 65% of its original toxicity... botulinum neurotoxin showed a limited capacity to inhibit the synaptosomal binding of labelled type B toxin, even at high concentrations (1 mu M). Other neurotoxins were without effect.

12/3,K/26 (Item 20 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options

CSA Life Sciences Abstracts

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0000462985 IP Accession No: 1230760

Inactivation of Clostridium botulinum type A neurotoxin by trypsin and purification of two tryptic fragments: Proteolytic action near the COOH- terminus of the heavy subunit destroys toxin-binding activity.

Shone, CC; Hambleton, P; Melling, J Vaccine Res. and Prod. Lab., PHLS Cent. Appl. Microbiol. and Res., Porton Down, Salisbury, SP4 0JG, UK

European Journal of Biochemistry, v 151, n 1, p 75-82, 1985

Addl. Source Info: European Journal of Biochemistry [EUR. J. BIOCHEM.], vol. 151,

no. 1, pp. 75-82, 1985
Publication Date: 1985

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0014-2956

File Segment: Amino Acids, Peptides & Proteins (Biochemistry Abstracts 3);
Bacteriology Abstracts (Microbiology B); CSA Neurosciences Abstracts; Industrial &
Applied Microbiology Abstracts (Microbiology A)
...of two tryptic fragments: Proteolytic action near the COOH- terminus of the heavy
subunit destroys toxin-binding activity.

Shone, CC; Hambleton, P; Melling, J

Abstract:

...showed the loss of toxicity on trypsin treatment to be paralleled by a loss of
toxin binding to rat brain synaptosomes suggesting the presence of at least two
sites of tryptic... portion of the heavy chain was purified from the 105,000-Da
fragment of the toxin and the sequence of the first 35 amino acids determined. 5. It
is suggested that...

12/3,K/27 (Item 1 from file: 65) Links
Inside Conferences
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00267534 Inside Conference Item ID: CN002479254
Shuttle Plasmids for Expression of Anthrax Toxin in bacillus
Quinn, C. P.; Shone, C. C.
Conference: Bacterial protein toxins - 6th European workshop
FEMS SYMPOSIUM, 1994; ISSUE 73 P: 154-155
Stuttgart, Gustav Fischer, 1994
ISSN: 0163-9188 ISBN: 3437115359; 1560813857
Language: English Document Type: Conference Papers
Editor: Freer, J.
Sponsor: Federation of European Microbiological Societies
Location: Stirling
Date: Jun 1993 (199306) (199306)
Shuttle Plasmids for Expression of Anthrax Toxin in bacillus
Quinn, C. P.; Shone, C. C.

12/3,K/28 (Item 1 from file: 98) Links
General Sci Abs
(c) 2008 The HW Wilson Co. All rights reserved.
03519319 H.w. Wilson Record Number: BGSI97019319
Botulinum neurotoxin B inhibits insulin-stimulated glucose uptake into 3T3-L1
adipocytes and cleaves cellubrevin unlike type A toxin which failed to proteolyze
the SNAP-23 present.

Chen, Fusheng
Foran, Patrick; Shone, Clifford C
Biochemistry (American Chemical Society) (Biochemistry) v. 36 (May 13 '97) p.
5719-28
Document Type: Feature Article
Special Features: bibl il ISSN: 0006-2960
Language: English
Country of Publication: United States
...inhibits insulin-stimulated glucose uptake into 3T3-L1 adipocytes and cleaves
cellubrevin unlike type A toxin which failed to proteolyze the SNAP-23 present.

Foran, Patrick; Shone, Clifford C

Abstract: ...of the insulin-stimulated translocation of GLUT4 to the plasmalemma. This establishes that these two toxin substrates contribute to the insulin-regulated fusion of GLUT4-containing vesicles with the plasmalemma, at...

12/3,K/29 (Item 2 from file: 98) Links

General Sci Abs

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00524665 H.w. Wilson Record Number: BGSI85024665

Monoclonal antibody-based immunoassay for type A Clostridium botulinum toxin is comparable to the mouse bioassay.

Shone, Clifford

Wilton-Smith, Peter; Appleton, Nigel

Applied and Environmental Microbiology (Appl Environ Microbiol) v. 50 (July '85) p. 63-7

Document Type: Feature Article

Special Features: bibl il ISSN: 0099-2240

Language: English

Country Of Publication: United States

Monoclonal antibody-based immunoassay for type A Clostridium botulinum toxin is comparable to the mouse bioassay.

Shone, Clifford

12/3,K/30 (Item 1 from file: 399) Links

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148347366

CA: 148(16)347366u

PATENT

Novel agent for controlling cell activity

Inventor (Author): North, John Robert; Foster, Keith Alan; Quinn, Conrad Padraig;

Shone, Clifford Charles

Location: Can.,

Patent: U.S. Pat. Appl. Publ. : US 20080070278 A1 Date: 20080320

Application: US 2007819647 (20070628) *GB 935735 (19930319) *WO 94GB558 (19940318)

*US 513878 (19951201) *US 2000572431 (20000517)

Pages: 9pp., Cont.-in-part of U. S. Ser. No. 572,431.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 435069100

IPC8 + Level	Value	Position	Status	Version	Action	Source	Office:
C12P-0021/04	A	I F B	20060101	20080320	H	US	
C07H-0021/00	A	I L B	20060101	20080320	H	US	
C07K-0014/00	A	I L B	20060101	20080320	H	US	
C07K-0016/18	A	I L B	20060101	20080320	H	US	
C12N-0009/00	A	I L B	20060101	20080320	H	US	

12/3,K/31 (Item 2 from file: 399) Links

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147268110

CA: 147(13)268110g

CONFERENCE PROCEEDING

Development of therapeutics based upon clostridial endopeptidase activity

Author: Foster, Keith A.; Chaddock, John A.

Location: Syntaxis Ltd., Salisbury, UK,

Journal: Treat. Toxins

Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),

singlechaintoxin.txt

Date: 2007
Pages: 195-212
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/32 (Item 3 from file: 399) Links
CA SEARCH(R)
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147268109 CA: 147(13)268109p CONFERENCE PROCEEDING
Expanding clinical uses of botulinum neurotoxins
Author: Moore, A. Peter
Location: The Walton Centre for Neurology and Neurosurgery, Liverpool University, Liverpool, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 163-194
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/33 (Item 4 from file: 399) Links
CA SEARCH(R)
(c) 2008 American Chemical Society. All rights reserved.

147268108 CA: 147(13)268108n CONFERENCE PROCEEDING
Introduction to clinical use of botulinum neurotoxins
Author: Barnes, Michael P.
Location: Hunters Moor Regional Rehabilitation Centre, Newcastle-upon-Tyne, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 139-162
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/34 (Item 5 from file: 399) Links
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147135615 CA: 147(7)135615d CONFERENCE PROCEEDING
Three-dimensional protein structures of light chains of botulinum neurotoxin serotypes A, B, and E and tetanus neurotoxin
Author: Swaminathan, Subramanyam; Stevens, Raymond C.
Location: Dep. Biology, Brookhaven National Lab., Upton, NY, USA
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 19-45
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/35 (Item 6 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)

singlechaintoxin.txt
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147023292 CA: 147(2)23292g JOURNAL
Re-engineering the target specificity of clostridial neurotoxins - a route to novel therapeutics
Author: Foster, Keith A.; Adams, Emily J.; Durose, Lyndsey; Cruttwell, Caroline J.; Marks, Elizabeth; Shone, Clifford C.; Chaddock, John A.; Cox, Clare L.; Heaton, Charlotte; Sutton, J. Mark; Wayne, Jonathan; Alexander, Frances C. G.; Rogers, Duncan F.
Location: Centre for Emergency Preparedness & Response, Health Protection Agency, Salisbury, UK, SP4 0JG
Journal: Neurotoxic. Res.
Date: 2006
Volume: 9 Number: 2,3 Pages: 101-107
CODEN: NURRFI
ISSN: 1029-8428
Language: English
Publisher: F. P. Graham Publishing Co.

12/3,K/36 (Item 7 from file: 399) Links
CA SEARCH(R)
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146507041 CA: 146(25)507041y CONFERENCE PROCEEDING
Use of neurotoxins as drug delivery systems
Author: Foran, Patrick
Location: Division of Molecular and Cellular Biology, Imperial College London, London, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 213-253
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC, Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/37 (Item 8 from file: 399) Links
CA SEARCH(R)
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146498844 CA: 146(25)498844h CONFERENCE PROCEEDING
Vaccines to protect against neurotoxins
Author: Smith, Leonard A.; Henderson, Ian
Location: Integrated Toxinology Division, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, USA
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 75-106
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC, Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/38 (Item 9 from file: 399) Links
CA SEARCH(R)
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146436465 CA: 146(22)436465b PATENT
Development of engineered Clostridium neurotoxins with improved solubilities and use in production of anti-botulism vaccine

singlechaintoxin.txt
 Inventor (Author): Shone, Clifford C.; Crawford, James A.
 Location: UK,
 Patent: PCT International ; WO 200744382 A2 Date: 20070419
 Application: WO 2006US38757 (20061005) *US 2005PV724274 (20051007) *US 2005PV742900 (20051207)
 Pages: 97pp.
 CODEN: PIXXD2
 Language: English
 Patent Classifications:
 IPCR/8 + Level Value Position Status Version Action Source Office:
 A61K-0039/08 A I F B 20060101 H US
 C12P-0021/06 A I L B 20060101 H US
 Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US
 Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

12/3,K/39 (Item 10 from file: 399) Links
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146416354 CA: 146(21)416354m CONFERENCE PROCEEDING
 Inhibitors of clostridial neurotoxin proteinase activities
 Author: Schmidt, James J.; Foster, Keith A.
 Location: Toxinology Division, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, USA
 Journal: Treat. Toxins
 Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
 Date: 2007
 Pages: 107-138
 CODEN: 69IYSV
 Language: English
 Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/40 (Item 11 from file: 399) Links
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146416353 CA: 146(21)416353k CONFERENCE PROCEEDING
 Mechanisms of actions of neurotoxins
 Author: Bigalke, Hans; Blnz, Thomas
 Location: Medizinische Hochschule Hannover Institut fuer Toxikologie, Hannover, Germany,
 Journal: Treat. Toxins
 Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
 Date: 2007
 Pages: 47-73
 CODEN: 69IYSV
 Language: English
 Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

12/3,K/41 (Item 12 from file: 399) Links
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singlechaintoxin.txt
146416352 CA: 146(21)416352j CONFERENCE PROCEEDING
Introduction and historical perspective of treatment from toxins
Author: Foster, Keith A.; Hambleton, Peter; Shone, Clifford C.
Location: Syntaxis Ltd., Salisbury, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C. (Ed),
Date: 2007
Pages: 1-17
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla

12/3,K/42 (Item 13 from file: 399) Links
CA SEARCH(R)
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146310836 CA: 146(16)310836e BOOK
Treatments from Toxins: The Therapeutic Potential of Clostridial Neurotoxins
Author: Foster, Keith A.; Hambleton, Peter; Shone, Clifford C.; Editors
Location: USA
Date: 2007
Pages: 297 pp.
CODEN: BOOKA7
Language: English
Publisher: (CRC Press LLC , Boca Raton, Fla.) ISBN: 978-0-8493-2709-4

12/3,K/43 (Item 14 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)
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146157191 CA: 146(9)157191u JOURNAL
The 5th International Conference on Basic and Therapeutic aspects of Botulinum and Tetanus neurotoxins. Workshop review: assays and detection
Author: Shone, Clifford; Ferreira, Joseph; Boyer, Anne; Cirino, Nick; Egan, Christina; Evans, Elizabeth; Kools, John; Sharma, Shashi
Location: Centre for Emergency Preparedness & Response, Health Protection Agency, Salisbury, Wiltshire, UK, SP4 0JG
Journal: Neurotoxic. Res.
Date: 2006
Volume: 9 Number: 2,3 Pages: 205-216
CODEN: NURRFI
ISSN: 1029-8428
Language: English
Publisher: F. P. Graham Publishing Co.

12/3,K/44 (Item 15 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)
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146021334 CA: 146(2)21334k JOURNAL
A family of killer toxins. Exploring the mechanism of ADP-ribosylating toxins
Author: Holbourn, Kenneth P.; Shone, Clifford C.; Acharya, K. R.
Location: Department of Biology and Biochemistry, University of Bath, UK,
Journal: FEBS J.
Date: 2006
Volume: 273 Number: 20 Pages: 4579-4593
CODEN: FJEOAC
ISSN: 1742-464X

Language: English

Publisher: Blackwell Publishing Ltd.

12/3,K/45 (Item 16 from file: 399) Links

CA SEARCH(R)

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143417270 CA: 143(23)417270F

PATENT

recombinant expression of clostridial neurotoxin light and heavy chain domain and its antibody and DNA vaccine applications

Inventor (Author): Shone, Charles Clifford; Quinn, Conrad Padraig; Foster, Keith Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne, Jonathan

Location: UK,

Patent: U.S. Pat. Appl. Publ. ; US 20050244435 A1 Date: 20051103

Application: US 200577550 (20050311) *GB 9617671 (19960823) *GB 9625996 (19961213)

*US 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 2002241596

(20020912)

Pages: 45 pp., Cont.-in-part of U.S. Ser. No. 241,596.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 424239100; A61K-039/08A

12/3,K/46 (Item 17 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

CA SEARCH(R)

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143280836 CA: 143(16)280836y

JOURNAL

Preparation of specifically activatable endopeptidase derivatives of Clostridium botulinum toxins type A, B, and C and their applications

Author: Sutton, J. Mark; Wayne, Jonathan; Scott-Tucker, Anthony; O'Brien, Susan M.; Marks, Philip M. H.; Alexander, Frances C. G.; Shone, Clifford C.; Chaddock, John A.

Location: Centre for Applied Microbiology and Research, Health Protection Agency, Wiltshire, UK, SP4 0JG

Journal: Protein Expression Purif.

Date: 2005

Volume: 40 Number: 1 Pages: 31-41

CODEN: PEXPEJ

ISSN: 1046-5928

Publisher Item Identifier: 1046-5928(04)00232-3

Language: English

Publisher: Elsevier

12/3,K/47 (Item 18 from file: 399) Links

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142018634 CA: 142(2)18634v

PATENT

Mass-based toxin assay and substrates therefor

Inventor (Author): Shone, Clifford Charles; Evans, Elizabeth R.; Kidd, Stephen Peter

Location: UK,

Assignee: Health Protection Agency

Patent: PCT International ; WO 2004104219 A1 Date: 20041202

Application: WO 2004GB2233 (20040524) *GB 200311961 (20030523)

Pages: 45 pp.

CODEN: PIXXD2

singlechaintoxin.txt

Language: English

Patent Classifications:

Class: C12Q-001/37A

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW
Designated Regional: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

12/3,K/48 (Item 19 from file: 399) Links

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140151912

CA: 140(10)151912j

PATENT

Targeted delivery of therapeutic agents for nerve regeneration using heavy chain (HC) from botulinum C1 toxin as a neuron-binding domain

Inventor (Author): Shone, Clifford Charles; Sutton, John Mark

Location: UK,

Assignee: Health Protection Agency

Patent: PCT International ; WO 200409126 A1 Date: 20040129

Application: WO 2003GB3082 (20030715) *GB 200216865 (20020719)

Pages: 67 pp.

CODEN: P1XXD2

Language: English

Patent Classifications:

Class: A61K-047/48A; C07K-019/00B

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU

Designated Regional: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

12/3,K/49 (Item 20 from file: 399) Links

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139207733

CA: 139(14)207733a

PATENT

Construction of recombinant single-chain toxins for use in vaccines and toxin assays

Inventor (Author): Shone, Clifford Charles; Quinn, Conrad Padraig; Foster, Keith Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne, Jonathan

Location: UK,

Assignee: Microbiological Research Authority; Speywood Laboratory Limited

Patent: U.S. Pat. Appl. Publ. ; US 20030166238 A1 Date: 20030904

Application: US 241596 (20020912) *GB 9617671 (19960823) *GB 9625996 (19961213) *US 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 242689 (19990223)

Pages: 37 pp., Cont.-in-part of U.S. Ser. No. 255,829.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 435219000; C12N-009/50A; C07H-021/04B; C12P-021/04B; C12N-001/21B;

C07K-014/33B

12/3,K/50 (Item 21 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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138182902 CA: 138(13)182902u JOURNAL

Expression and purification of catalytically active, non-toxic endopeptidase derivatives of Clostridium botulinum toxin type A

Author: Chaddock, John A.; Herbert, Michael H.; Ling, Roger J.; Alexander, Frances C. G.; Fooks, Sarah J.; Revell, Dean F.; Quinn, Conrad P.; Shone, Clifford C.; Foster, Keith A.

Location: Centre for Applied Microbiology and Research, Wiltshire, UK, SP4 0JG

Journal: Protein Expression Purif.

Date: 2002

Volume: 25 Number: 2 Pages: 219-228

CODEN: PEXPEJ

ISSN: 1046-5928

Language: English

Publisher: Elsevier Science

12/3,K/51 (Item 22 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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137154026 CA: 137(11)154026x JOURNAL

Evaluation of novel in vitro assays for the detection of botulinum toxins in foods

Author: Wictome, M.; Newton, K.; Jameson, K.; Dunnigan, P.; Clarke, S.; Wright, S.; Gaze, J.; Tauk, A.; Foster, K. A.; Shone, C. C.

Location: Centre for Applied Microbiology and Research, Salisbury, UK, SP4 0JG

Journal: Spec. Publ. - R. Soc. Chem.

Date: 2001

Volume: 272 Number: Rapid Detection Assays for Food and Water Pages: 206-209

CODEN: SROCD0

ISSN: 0260-6291

Language: English

Publisher: Royal Society of Chemistry

12/3,K/52 (Item 23 from file: 399) Links

CA SEARCH(R)

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136395977 CA: 136(26)395977t PATENT

Clostridial toxin derivatives able to modify peripheral sensory afferent functions

Inventor (Author): Foster, Keith Alan; Duggan, Michael John; Shone, Clifford Charles

Location: UK,

Assignee: The Speywood Laboratory, Ltd.; Microbiological Research Authority

Patent: United States ; US 6395513 B1 Date: 20020528

Application: US 447356 (19991122) *GB 958204 (19950421) *WO 96GB916 (19960416) *US 945037 (19980112)

Pages: 18 pp., Cont.-in-part of U.S. Ser. No. 945,037.

CODEN: USXXAM

Language: English

Patent Classifications:

Class: 435069300; C12N-015/62; C12N-015/09; C12P-021/00; C07K-019/00

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12/3,K/53 (Item 24 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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134362549 CA: 134(26)362549k JOURNAL

Tyrosine-1290 of tetanus neurotoxin plays a key role in its binding to gangliosides and functional binding to neurons

Author: Sutton, J. M.; Chow-Worn, O.; Spaven, L.; Silman, N. J.; Hallis, B.; Shone, C. C.

Location: Centre for Applied Microbiology and Research (CAMR), Porton Down, Salisbury, UK, SO4 0JG

Journal: FEBS Lett.

Date: 2001

Volume: 493 Number: 1 Pages: 45-49

CODEN: FEBLAL

ISSN: 0014-5793

Publisher Item Identifier: 0014-5793(01)02273-6

Language: English

Publisher: Elsevier Science B.V.

12/3,K/54 (Item 25 from file: 399) Links

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133190411 CA: 133(14)190411v PATENT

Pheromones derived from Clostridium species that induce virulence and their diagnostic uses

Inventor (Author): Minton, Nigel Peter; Roberts, April Kathryn; Shone, Clifford Charles

Location: UK,

Assignee: Microbiological Research Authority

Patent: PCT International ; WO 200050600 A1 Date: 20000831

Application: WO 2000G8697 (20000225) *GB 994586 (19990226) *GB 9912607 (19990528)

Pages: 58 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C12N-015/31A; C12N-015/62B; C12N-001/21B; C07K-014/33B; A61K-039/08B;

C12Q-001/04B; C12Q-001/18B

Designated Countries: AE; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CR; CU; CZ; DE; DK; DM; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

Designated Regional: GH; GM; KE; LS; MW; SD; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

12/3,K/55 (Item 26 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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133054741 CA: 133(5)54741a JOURNAL

Inhibition of vesicular secretion in both neuronal and nonneuronal cells by a retargeted endopeptidase derivative of Clostridium botulinum neurotoxin type A
Author: Chaddock, John A.; Purkiss, John R.; Friis, Lorna M.; Broadbridge, Janice D.; Duggan, Michael J.; Fooks, Sarah J.; Shone, Clifford C.; Quinn, Conrad P.; Foster, Keith A.

Location: Centre for Applied Microbiology and Research, Salisbury, UK, SP4 0JG

Page 24

Journal: Infect. Immun.
Date: 2000
Volume: 68 Number: 5 Pages: 2587-2593
CODEN: INFIBR
ISSN: 0019-9567
Language: English
Publisher: American Society for Microbiology

12/3,K/56 (Item 27 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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131285568 CA: 131(21)285568z JOURNAL
Development of an in vitro bioassay for Clostridium botulinum type B neurotoxin in foods that is more sensitive than the mouse bioassay
Author: Wictome, Matthew; Newton, Kirsti; Jameson, Karen; Hallis, Bassam; Dunnigan, Paul; Mackay, Eric; Clarke, Sally; Taylor, Richard; Gaze, Joy; Foster, Keith; Shone, Clifford
Location: Centre for Applied Microbiology and Research, Salisbury, UK, SP4 0JG
Journal: Appl. Environ. Microbiol.
Date: 1999
Volume: 65 Number: 9 Pages: 3787-3792
CODEN: AEMIDF
ISSN: 0099-2240
Language: English
Publisher: American Society for Microbiology

12/3,K/57 (Item 28 from file: 399) Links
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131268231 CA: 131(20)268231s PATENT
Antibody-based assay for botulinum and tetanus neurotoxins
Inventor (Author): Shone, Clifford Charles; Hallis, Bassam; James, Benjamin Arthur Frederick; Quinn, Conrad Padraig
Location: UK,
Assignee: Microbiological Research Authority
Patent: United States ; US 5962637 A Date: 19991005
Application: US 760001 (19961203) *GB 9411138 (19940603) *WO 95GB1279 (19950602)
Pages: 21 pp., Cont.-in-part of Appl. No. PCT/GB95/01279.
CODEN: USXXAM
Language: English
Patent Classifications:
Class: 530329000; A61K-038/04; G01N-033/53; G01N-033/573

12/3,K/58 (Item 29 from file: 399) Links
CA SEARCH(R)
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131253544 CA: 131(19)253544x CONFERENCE PROCEEDING
Study of specificity of the endopeptidase activities of the botulinum neurotoxins using peptide substrates
Author: Wictome, Matthew; Rossetto, Ornella; Montecucco, Cesare; Shone, Clifford C.
Location: Centre for Applied Microbiology and Research, Salisbury, UK, SP4 0JG
Journal: Biomed. Aspects Clostridial Neurotoxins, Conf.
Editor: Tranter, Howard S (Ed),
Date: 1997
Pages: 55-58
CODEN: 67WQAB

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Language: English

Meeting Date: 19960000

Publisher: Centre for Applied Microbiology and Research , Salisbury, UK

12/3,K/59 (Item 30 from file: 399) Links

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131253402 CA: 131(19)253402z

CONFERENCE PROCEEDING

The development of novel assays for the detection and quantitation of the botulinum toxins

Author: Wictome, M.; Newton, K.; Hallis, B.; Shone, C. C.

Location: Centre for Applied Microbiology and Research, Salisbury, UK, SP4 0JG

Journal: Biomed. Aspects Clostridial Neurotoxins, Conf.

Editor: Tranter, Howard S (Ed),

Date: 1997

Pages: 138-141

CODEN: 67WQAB

Language: English

Meeting Date: 19960000

Publisher: Centre for Applied Microbiology and Research , Salisbury, UK

12/3,K/60 (Item 31 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

CA SEARCH(R)

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131184011 CA: 131(14)184011g

JOURNAL

Development of in vitro assays for the detection of botulinum toxins in foods

Author: Wictome, Matthew; Newton, Kirsti A.; Jameson, Karen; Dunnigan, Paul; Clarke, Sally; Gaze, Joy; Tauk, Annie; Foster, Keith A.; Shone, Clifford C.

Location: Centre for Applied Microbiology and Research, Porton Down, Salisbury, UK,

Journal: FEMS Immunol. Med. Microbiol.

Date: 1999

Volume: 24 Number: 3 Pages: 319-323

CODEN: FIMIEV

ISSN: 0928-8244

Publisher Item Identifier: 0928-8244(99)00048-6

Language: English

Publisher: Elsevier Science B.V.

12/3,K/61 (Item 32 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

CA SEARCH(R)

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130011333 CA: 130(2)11333q

JOURNAL

Botulinum neurotoxins: mode of action and detection

Author: Wictome, M.; Shone, C. C.

Location: Centre for Applied Microbiology and Research, Wiltshire, UK, SP4 0FG

Journal: Soc. Appl. Microbiol. Symp. Ser.

Date: 1998

Volume: 27 Number: Toxins Pages: 87S-97S

CODEN: SMSSFP

ISSN: 0267-4440

Language: English

Publisher: Blackwell Science Ltd.

12/3,K/62 (Item 33 from file: 399) Links

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CA SEARCH(R)

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128226255 CA: 128(19)226255k PATENT
Fusion proteins of clostridial toxins for use as substitutes for botulin in
therapeutic use
Inventor (Author): Shone, Clifford Charles; Quinn, Conrad Padraig; Foster, Keith
Alan
Location: UK,
Assignee: Microbiological Research Authority CAMR (Centre for Applied Microbiology &
Research); Speywood Laboratory Limited; Shone, Clifford Charles; Quinn, Conrad
Padraig; Foster, Keith Alan
Patent: PCT International ; WO 9807864 A1 Date: 19980226
Application: WO 97GB2273 (19970822) *GB 9617671 (19960823) *GB 9625996 (19961213)
*US 782893 (19961227)
Pages: 137 pp.
CODEN: PIXXD2
Language: English
Patent Classifications:
Class: C12N-015/31A; C12N-001/21B; C12P-021/02B; C07K-014/33B; A61K-038/16B;
A61K-039/08B
Designated Countries: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ;
DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT;
LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; TJ; TM;
TR; TT; UA; UG; US; UZ; VN; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
Designated Regional: GH; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; DE; DK; ES; FI; FR;
GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE; SN;
TD; TG

12/3,K/63 (Item 34 from file: 399) Links

CA SEARCH(R)

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126001210 CA: 126(1)1210a PATENT
Botulin derivative or other agent able to inhibit neuromodulator secretion by
sensory afferent synapses and agent use as pain inhibitor
Inventor (Author): Foster, Keith Alan; Duggan, Michael John; Shone, Clifford Charles
Location: UK,
Assignee: The Speywood Laboratory Limited; Microbiological Research Authority
Patent: PCT International ; WO 9633273 A1 Date: 19961024
Application: WO 96GB916 (19960416) *GB 958204 (19950421)
Pages: 43 pp.
CODEN: PIXXD2
Language: English
Patent Classifications:
Class: C12N-015/31A; C07K-019/00B; C07K-014/33B; C12N-009/52B; C07K-014/48B;
C07K-014/475B; C07K-014/52B; C07K-014/575B; C07K-016/18B; C12N-015/62B; A61K-038/16B
Designated Countries: AL; AM; AT; AU; AZ; BB; BG; BR; BY; CA; CH; CN; CZ; DE; DK;
EE; ES; FI; GB; GE; HU; IS; JP; KE; KG; KP; KR; KZ; LC; LR; LU; LV; MD; MG;
MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI
Designated Regional: KE; LS; MW; SD; SZ; UG; AT; BE; CH; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN

12/3,K/64 (Item 35 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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125188025 CA: 125(15)188025p JOURNAL
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singlechaintoxin.txt

Structural determinants of the specificity for synaptic vesicle-associated membrane protein/synaptobrevin of tetanus and botulinum type B and G neurotoxins
Author: Pellizzari, Rossella; Rossetto, Ornella; Lozzi, Luisa; Giovedi, Silvia; Johnson, Eric; Shone, Clifford C.; Montecucco, Cesare
Location: Cent. Consiglio Nazionale Ricerche Biomembrane, Univ. Padova, Padua, Italy

Journal: J. Biol. Chem.
Date: 1996
Volume: 271 Number: 34 Pages: 20353-20358
CODEN: JBCHA3
ISSN: 0021-9258
Language: English

12/3,K/65 (Item 36 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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125028920 CA: 125(3)28920y JOURNAL
Substrate residues N-terminal to the cleavage site of botulinum type B neurotoxin play a role in determining the specificity of its endopeptidase activity
Author: Wictome, Matthew; Rossetto, Ornella; Montecucco, Cesare; Shone, Clifford C.
Location: Centre for Applied Microbiology and Research, Porton Down, Salisbury Wiltshire, UK, SP4 0JG
Journal: FEBS Lett.
Date: 1996
Volume: 386 Number: 2,3 Pages: 133-136
CODEN: FEBLAL
ISSN: 0014-5793
Language: English

12/3,K/66 (Item 37 from file: 399) Links
CA SEARCH(R)
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124109558 CA: 124(9)109558t PATENT
Toxin assay
Inventor (Author): Shone, Clifford Charles; Hallis, Bassam; James, Benjamin Arthur Frederick; Quinn, Conrad Padraig
Location: UK,
Assignee: Microbiological Research Authority
Patent: PCT International ; WO 9533850 A1 Date: 951214
Application: WO 95GB1279 (950602) *GB 9411138 (940603)
Pages: 47 pp.
CODEN: PIXXD2
Language: English
Patent Classifications:
Class: C12Q-001/37A; C07K-016/40B; G01N-033/68B; G01N-033/543B; G01N-033/569
Designated Countries: AU; CA; JP; US
Designated Regional: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

12/3,K/67 (Item 38 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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124007095 CA: 124(1)7095x JOURNAL
Growth of clostridia and preparation of their neurotoxins
Author: Shone, C.C.; Tranter, H.S.
Location: Centre for Applied Microbiology and Research, Salisbury/Wiltshire, UK, SP4
Page 28

singlechaintoxin.txt

03G

Journal: Curr. Top. Microbiol. Immunol.

Date: 1995

Volume: 195, Pages: 143-60

CODEN: CTMIA3

ISSN: 0070-217X

Language: English

Meeting Date: 950000

12/3,K/68 (Item 39 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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122180311 CA: 122(15)180311w JOURNAL

Tetanus and botulinum neurotoxins are zinc proteases specific for proteins involved in vesicle docking and fusion

Author: Schiavo, G.; Benfenati, F.; Poulain, B.; Rossetto, O.; Shone, C. C.;

DasGupta, B. R.; Montecucco, C.

Location: Dipartimento di Scienze Biomediche, Universita di Padova, Italy

Journal: Zentralbl. Bakteriол., Suppl.

Date: 1994

Volume: 24 Number: Bacterial Protein Toxins Pages: 375-85

CODEN: ZBASE2

ISSN: 0941-018X

Language: English

12/3,K/69 (Item 40 from file: 399) Links

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122099207 CA: 122(9)99207v PATENT

Botulinum toxin polypeptides and their use as vaccine enhancing agents

Inventor (Author): Sesardic, Dorothea; Chan, Woon Ling; Shone, Clifford Charles

Location: UK,

Assignee: PHLSB; NIBSC

Patent: PCT International ; WO 9421684 A1 Date: 940929

Application: WO 94GB570 (940321) *GB 935919 (930322)

Pages: 36 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

Class: C07K-015/04A; C07K-007/06B; C07K-007/08B; C07K-007/10B; A61K-039/08B

Designated Countries: AU; CA; GB; JP; US

Designated Regional: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

12/3,K/70 (Item 41 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

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122003213 CA: 122(1)3213v JOURNAL

SNARE motif and neurotoxins

Author: Rossetto, Ornella; Schiavo, Giampietro; Montecucco, Cesare; Poulain,

Bernard; Deloye, Florence; Lozzi, Luisa; Shone, Clifford C.

Location: Dip. Sic. Biomed. Cent. CNR Biomembrane, Univ. Padova, 75 - 35121, Padova, Italy

Journal: Nature (London)

Date: 1994

Volume: 372 Number: 6505 Pages: 415-16

singlechaintoxin.txt

CODEN: NATUAS
ISSN: 0028-0836
Language: English

12/3,K/71 (Item 42 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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120210092 CA: 120(17)210092d JOURNAL
purification of bacterial exotoxins: the case of botulinum, tetanus, anthrax,
pertussis and cholera toxins
Author: Pasechnik, Vladimir A.; Shone, Clifford C.; Hambleton, Peter
Location: Cent. Appl. Microbiol. Res., PHLS, Salisbury, UK, SP4 0JG
Journal: Bioseparation
Date: 1993
Volume: 3 Number: 5 Pages: 267-83
CODEN: BISPE4
ISSN: 0923-179X
Language: English

12/3,K/72 (Item 43 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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120098963 CA: 120(9)98963k JOURNAL
Antagonism of the intracellular action of botulinum neurotoxin type A with
monoclonal antibodies that map to light-chain epitopes
Author: Cenci di Bello, Isabelle; Poulain, Bernard; Shone, Clifford C.; Tauc,
Ladislav; Dolly, J. Oliver
Location: Dep. Biochem, Imp. Coll. Sci., Technol Med., London, UK,
Journal: Eur. J. Biochem.
Date: 1994
Volume: 219 Number: 1-2 Pages: 161-9
CODEN: EJBCAI
ISSN: 0014-2956
Language: English

12/3,K/73 (Item 44 from file: 399) Links
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119268510 CA: 119(25)268510j CONFERENCE PROCEEDING
Characterization of monoclonal antibodies to botulinum type A neurotoxin
Author: Hallis, Bassam; Fooks, Sarah; Shone, Clifford; Hambleton, Peter
Location: PHLS, CAMR, Porton Down/Salisbury/Wiltshire, UK, SP4 0JG
Journal: Botulinum Tetanus Neurotoxins (Proc. Int. Conf.)
Editor: Dasgupta, Bibhuti R (Ed),
Date: 1993
Pages: 433-6
CODEN: 59KIAW
Language: English
Meeting Date: 920000
Publisher: Plenum , New York, N. Y

12/3,K/74 (Item 45 from file: 399) Links
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Page 30

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119243306 CA: 119(23)243306j CONFERENCE PROCEEDING
Long-term effects of botulinum type A neurotoxin on the release of noradrenaline
from PC12 cells
Author: Shone, Clifford C.
Location: Div. Biol., Cent. Appl. Microbiol. Res., Porton Down/Salisbury/Wilts., UK,
SP4 0JG
Journal: Botulinum Tetanus Neurotoxins (Proc. Int. Conf.)
Editor: Dasgupta, Bibhuti R (Ed),
Date: 1993
Pages: 321-31
CODEN: 59KIAW
Language: English
Meeting Date: 920000
Publisher: Plenum , New York, N. Y

12/3,K/75 (Item 46 from file: 399) Links
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119219459 CA: 119(21)219459r CONFERENCE PROCEEDING
Proliferative T cell response to botulinum toxin type A in mice
Author: Chan, Woon Ling; Sesardic, Dorothea; Shone, Clifford C.
Location: Natl. Inst. Biol. Stand. Control, South Mimms/Potters Bar/Herts., UK, EN6
3QG
Journal: Botulinum Tetanus Neurotoxins (Proc. Int. Conf.)
Editor: Dasgupta, Bibhuti R (Ed),
Date: 1993
Pages: 337-9
CODEN: 59KIAW
Language: English
Meeting Date: 920000
Publisher: Plenum , New York, N. Y

12/3,K/76 (Item 47 from file: 399) Links
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119219449 CA: 119(21)219449n JOURNAL
Proteolytic cleavage of synthetic fragments of vesicle-associated membrane protein,
isoform-2 by botulinum type B neurotoxin
Author: Shone, Clifford C.; Quinn, Conrad P.; Wait, Robin; Hallis, Bassam; Fooks,
Sarah G.; Hambleton, Peter
Location: Cent. Appl. Microbiol. Res., Porton Down, UK,
Journal: Eur. J. Biochem.
Date: 1993
Volume: 217 Number: 3 Pages: 965-71
CODEN: EJBCAI
ISSN: 0014-2956
Language: English

12/3,K/77 (Item 48 from file: 399) Links
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119065349 CA: 119(7)65349r JOURNAL
Botulinum neurotoxin serotype F is a zinc endopeptidase specific for
VAMP/synaptobrevin

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Author: Schiavo, Giampietro; Shone, Clifford C.; Rossetto, Ornella; Alexander, Frances C. G.; Montecucco, Cesare
Location: Cent. Cons. Naz. Ric. Biomembr., 35121, Padua, Italy
Journal: J. Biol. Chem.
Date: 1993
Volume: 268 Number: 16 Pages: 11516-19
CODEN: JBCHA3
ISSN: 0021-9258
Language: English

12/3,K/78 (Item 49 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
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117145128 CA: 117(15)145128s JOURNAL
Inhibition of calcium-dependent release of noradrenaline from PC12 cells by botulinum type-A neurotoxin. Long-term effects of the neurotoxin on intact cells
Author: Shone, Clifford C.; Melling, Jack
Location: Cent. Appl. Microbiol. Res., PHLS, Porton Down, UK,
Journal: Eur. J. Biochem.
Date: 1992
Volume: 207 Number: 3 Pages: 1009-16
CODEN: EJBCAI
ISSN: 0014-2956
Language: English

12/3,K/79 (Item 50 from file: 399) Links
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117042347 CA: 117(5)42347h JOURNAL
Intracellular form of botulinum type A neurotoxin after long-term incubation with PC12 cells
Author: Shone, C. C.
Location: Cent. Appl. Microbiol. Res., Porton Down/Salisbury/Wiltshire, UK, SP4 0JG
Journal: Zentralbl. Bakteriол., Suppl.
Date: 1992
Volume: 23 Number: Bact. Protein Toxins Pages: 71-2
CODEN: ZBASE2
Language: English

12/3,K/80 (Item 51 from file: 399) Links
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115043897 CA: 115(5)43897h JOURNAL
Inhibition of noradrenaline release from PC12 cells by botulinum type A neurotoxin
Author: Shone, C. C.
Location: Cent. Appl. Microbiol. Res., Salisbury/Wilts, UK, SP4 0JG
Journal: Zentralbl. Bakteriол., Suppl.
Date: 1990
Volume: 19 Number: Bact. Protein Toxins Pages: 263-4
CODEN: ZBASE2
Language: English

12/3,K/81 (Item 52 from file: 399) Links
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114241478 CA: 114(25)241478q JOURNAL
Determination of the complete nucleotide sequence for the neurotoxin of Clostridium
botulinum type A
Author: Thompson, D. E.; Brehm, J. K.; Oultram, J. D.; Swinfield, T. J.; Shone, C.
C.; Minton, N. P.
Location: Div. Biotechnol., PHLS, Salisbury, UK,
Journal: Zentralbl. Bakteriол., Suppl.
Date: 1990
Volume: 19 Number: Bact. Protein Toxins Pages: 111-12
CODEN: ZBASE2
Language: English

12/3,K/82 (Item 53 from file: 399) Links
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112231081 CA: 112(25)231081z JOURNAL
Botulinum type F neurotoxin. Large-scale purification and characterization of its
binding to rat cerebrocortical synaptosomes
Author: Wadsworth, Jonathan D. F.; Desai, Mohamed; Tranter, Howard S.; King, Helen
J.; Hambleton, Peter; Melling, Jack; Dolly, J. Oliver; Shone, Clifford C.
Location: Dep. Biochem., Imp. Coll. Sci. Technol., London, UK, SW7 2AZ
Journal: Biochem. J.
Date: 1990
Volume: 268 Number: 1 Pages: 123-8
CODEN: BIJOAK
ISSN: 0306-3275
Language: English

12/3,K/83 (Item 54 from file: 399) Links
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109068593 CA: 109(9)68593v JOURNAL
Roles of the constituent chains of botulinum neurotoxin type A in the blockade of
neuromuscular transmission in mice
Author: Wadsworth, Jonathan D. F.; Shone, Clifford C.; Melling, Jack; Dolly, J.
Oliver
Location: Dep. Biochem., Imp. Coll. Sci. Technol., London, UK, SW7 2AZ
Journal: Biochem. Soc. Trans.
Date: 1988
Volume: 16 Number: 5 Pages: 886-7
CODEN: BCSTB5
ISSN: 0300-5127
Language: English

12/3,K/84 (Item 55 from file: 399) Links
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107128817 CA: 107(15)128817s JOURNAL
A 50-kDa fragment from the amino-terminus of the heavy subunit of Clostridium
botulinum type A neurotoxin forms channels in lipid vesicles
Author: Shone, Clifford C.; Hambleton, Peter; Melling, Jack
Location: Vaccine Res. and Product. Lab., Cent. Appl. Microbiol. Res., Salisbury,
UK, SP4 0JG

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Journal: Eur. J. Biochem.
 Date: 1987
 Volume: 167 Number: 1 Pages: 175-80
 CODEN: EJBACAI
 ISSN: 0014-2956
 Language: English

12/3,K/85 (Item 56 from file: 399) Links

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103117838 CA: 103(15)117838r JOURNAL
 Inactivation of Clostridium botulinum type A neurotoxin by trypsin and purification
 of two tryptic fragments. Proteolytic action near the carboxy-terminus of the heavy
 subunit destroys toxin-binding activity
 Author: Shone, Clifford C.; Hambleton, Peter; Melling, Jack
 Location: Public Health Lab. Serv., Cent. Appl. Microbiol. Res., Salisbury, UK, 5PH
 OJG
 Journal: Eur. J. Biochem.
 Date: 1985
 Volume: 151 Number: 1 Pages: 75-82
 CODEN: EJBACAI
 ISSN: 0014-2956
 Language: English

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E3	0	AU=FOSTER, K?
E4	47	AU=FOSTER, KA
E5	2	AU=FOSTER, KARA
E6	1	AU=FOSTER, KARA D
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E25	1	AU=FOSTER, KAREN RUTH ENLOW

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 Searcher
 Job
 Service Code
 User Number

N. Archie

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 Time
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Telecom
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French Patents (File 371)
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IMS Patent Focus (File 447, 947)
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TRADEMARKSCAN - U.S. Federal (File 226)

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Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
Support for connections to STN Germany and STN Japan services

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[File 8] Ei Compendex(R) 1884-2008/Dec w2
(c) 2008 Elsevier Eng. Info. Inc. All rights reserved.
[File 99] Wilson Appl. Sci & Tech Abs 1983-2008/Oct
(c) 2008 The HW Wilson Co. All rights reserved.
[File 266] FEDRIP 2008/Nov
Comp & dist by NTIS, Intl Copyright All Rights Res. All rights reserved.
[File 315] ChemEng & Biotech Abs 1970-2008/Dec
(c) 2008 DECHEMA. All rights reserved.
*File 315: December 2007 - the reloaded database is now online. Please consult the updated Bluesheet for details on new and changed fields.
[File 358] Current BioTech Abs 1983-2006/Jan
(c) 2006 DECHEMA. All rights reserved.
*File 358: This file is no longer updating. Please use File 315, which includes all File 358 records and updates.
[File 138] Physical Education Index 1990-2008/Oct
(c) 2008 CSA. All rights reserved.
[File 149] TGG Health&Wellness DB(SM) 1976-2008/Nov w5
(c) 2008 Gale/Cengage. All rights reserved.
[File 159] Cancerlit 1975-2002/Oct
(c) format only 2002 Dialog. All rights reserved.
[File 444] New England Journal of Med. 1985-2008/Sep w2
(c) 2008 Mass. Med. Soc. All rights reserved.

? e au=foster, k?

Ref	Items	Index-term
E1	44	AU=FOSTER, K.W.
E2	1	AU=FOSTER, K.W.S.
E3	0	AU=FOSTER, K?
E4	47	AU=FOSTER, KA
E5	2	AU=FOSTER, KARA
E6	1	AU=FOSTER, KARA D
E7	2	AU=FOSTER, KARA D.
E8	2	AU=FOSTER, KARA DENISE
E9	4	AU=FOSTER, KAREN
E10	6	AU=FOSTER, KAREN A
E11	14	AU=FOSTER, KAREN A.
E12	1	AU=FOSTER, KAREN ANITA
E13	1	AU=FOSTER, KAREN ANN BANKSTON
E14	1	AU=FOSTER, KAREN CHRISTIE
E15	1	AU=FOSTER, KAREN E
E16	2	AU=FOSTER, KAREN E.
E17	1	AU=FOSTER, KAREN J.
E18	1	AU=FOSTER, KAREN K.
E19	9	AU=FOSTER, KAREN L
E20	18	AU=FOSTER, KAREN L.
E21	1	AU=FOSTER, KAREN LEPPERT
E22	1	AU=FOSTER, KAREN LOUISE
E23	1	AU=FOSTER, KAREN MYERS
E24	5	AU=FOSTER, KAREN POLINGER
E25	1	AU=FOSTER, KAREN RUTH ENLOW

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? s e9-e25

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6	AU=FOSTER, KAREN A
14	AU=FOSTER, KAREN A.
1	AU=FOSTER, KAREN ANITA
1	AU=FOSTER, KAREN ANN BANKSTON

singlechaintoxin.txt

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1	AU=FOSTER, KAREN E
2	AU=FOSTER, KAREN E.
1	AU=FOSTER, KAREN J.
1	AU=FOSTER, KAREN K.
9	AU=FOSTER, KAREN L
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1	AU=FOSTER, KAREN RUTH ENLOW

S1 68 S E9-E25

? s s1 and saccharide

68	S1
205095	SACCHARIDE

S2 0 S S1 AND SACCHARIDE

? e au=foster, k?

Ref	Items	Index-term
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E3	0	AU=FOSTER, K?
E4	47	AU=FOSTER, KA
E5	2	AU=FOSTER, KARA
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E8	2	AU=FOSTER, KARA DENISE
E9	4	AU=FOSTER, KAREN
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E16	2	AU=FOSTER, KAREN E.
E17	1	AU=FOSTER, KAREN J.
E18	1	AU=FOSTER, KAREN K.
E19	9	AU=FOSTER, KAREN L
E20	18	AU=FOSTER, KAREN L.
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E22	1	AU=FOSTER, KAREN LOUISE
E23	1	AU=FOSTER, KAREN MYERS
E24	5	AU=FOSTER, KAREN POLINGER
E25	1	AU=FOSTER, KAREN RUTH ENLOW

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? e au=foster, keith

Ref	Items	Index-term
E1	57	AU=FOSTER, KE
E2	8	AU=FOSTER, KEIR
E3	25	AU=FOSTER, KEITH
E4	3	AU=FOSTER, KEITH A
E5	192	AU=FOSTER, KEITH A.
E6	10	AU=FOSTER, KEITH A. (ED)
E7	16	AU=FOSTER, KEITH ALAN
E8	3	AU=FOSTER, KEITH ALLEN
E9	1	AU=FOSTER, KEITH D.
E10	1	AU=FOSTER, KEITH EDWARD ST. JOHN
E11	1	AU=FOSTER, KEITH THOMAS
E12	3	AU=FOSTER, KELLEY A
E13	8	AU=FOSTER, KELLEY A.

singlechaintoxin.txt

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E14      1 AU=FOSTER, KELLI
E15      1 AU=FOSTER, KELLIE
E16      1 AU=FOSTER, KELLIE D.
E17      5 AU=FOSTER, KELLY
E18      9 AU=FOSTER, KELLY A.
E19      9 AU=FOSTER, KELLY A.
E20      2 AU=FOSTER, KELLY ANNE
E21      3 AU=FOSTER, KELLY L.
E22      2 AU=FOSTER, KELLY M.
E23      7 AU=FOSTER, KELLY W.
E24     11 AU=FOSTER, KEN
E25      2 AU=FOSTER, KEN R.
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? s e1-e11
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      8 AU=FOSTER, KEIR
     25 AU=FOSTER, KEITH
      3 AU=FOSTER, KEITH A
    192 AU=FOSTER, KEITH A.
     10 AU=FOSTER, KEITH A. (ED)
     16 AU=FOSTER, KEITH ALAN
      3 AU=FOSTER, KEITH ALLEN
      1 AU=FOSTER, KEITH D.
      1 AU=FOSTER, KEITH EDWARD ST. JOHN
      1 AU=FOSTER, KEITH THOMAS
S3     314 S E1-E11
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? s s3 and saccharide
      314 S3
    205095 SACCHARIDE
S4      0 S S3 AND SACCHARIDE
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? s s3
S5     314 S S3
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>>>w: Duplicate detection is not supported for File 393.
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? s s6 and staphylococcal
      283 S6
     447 STAPHYLOCCAL
S7      0 S S6 AND STAPHYLOCCAL
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E2     26 AU=CHADDOCK, J.B.
E3      0 AU=CHADDOCK, J?
E4     17 AU=CHADDOCK, JA
E5      1 AU=CHADDOCK, JA*
E6     79 AU=CHADDOCK, JACK B.
E7      1 AU=CHADDOCK, JACK BARTLEY
E8      5 AU=CHADDOCK, JOEL
E9     11 AU=CHADDOCK, JOHN
E10     6 AU=CHADDOCK, JOHN A.
E11    20 AU=CHADDOCK, JOHN A.
E12     7 AU=CHADDOCK, JOHN ANDREW
E13     1 AU=CHADDOCK, K.M.
E14     1 AU=CHADDOCK, L.
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singlechaintoxin.txt

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E15      1 AU=CHADDOCK, LAURA
E16      2 AU=CHADDOCK, M.
E17      1 AU=CHADDOCK, P.
E18      1 AU=CHADDOCK, R. E. V.
E19      3 AU=CHADDOCK, R.E.
E20      2 AU=CHADDOCK, RICHARD E.
E21      1 AU=CHADDOCK, ROBERT EMMET
E22      1 AU=CHADDOCK, ROGER
E23      1 AU=CHADDOCK, ROGER E.
E24      4 AU=CHADDOCK, S
E25      1 AU=CHADDOCK, S.
Enter PAGE for more

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? s e9-e12
      11 AU=CHADDOCK, JOHN
      6 AU=CHADDOCK, JOHN A
      20 AU=CHADDOCK, JOHN A.
      7 AU=CHADDOCK, JOHN ANDREW
S8      44 S E9-E12

```

```

? s s8 and saccharide
      44 S8
205095 SACCHARIDE
S9      1 S S8 AND SACCHARIDE

```

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? t s9/3,k/1
>>>w: KWIC option is not available in file(s): 399
9/3,k/1 (Item 1 from file: 399) Links
Fulltext available through: STIC Full Text Retrieval Options
CA SEARCH(R)
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```

142070456 CA: 142(5)70456c JOURNAL
 Crystal structures of Erythrina cristagalli lectin with bound N-linked oligosaccharide and lactose
 Author: Turton, Kathryn; Natesh, Ramanathan; Thiyagarajan, Nethaji; Chaddock, John A.; Acharya, K. Ravi
 Location: Department of Biology and Biochemistry, University of Bath, Claverton Down, Bath, UK, BA2 7AY
 Journal: Glycobiology
 Date: 2004
 Volume: 14 Number: 10 Pages: 923-929
 CODEN: GLYCE3
 ISSN: 0959-6658
 Language: English
 Publisher: Oxford University Press

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? e au=marks, p?
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E1      1 AU=MARKS, P.T.
E2      2 AU=MARKS, P.V.
E3      0 AU=MARKS, P?
E4      41 AU=MARKS, PA
E5      1 AU=MARKS, PA (EDS)
E6      4 AU=MARKS, PAMELA
E7      1 AU=MARKS, PAMELA ANN
E8      12 AU=MARKS, PAMELA J.
E9      1 AU=MARKS, PAMELA K.
E10     3 AU=MARKS, PATRICIA
E11     1 AU=MARKS, PATRICIA A
E12     3 AU=MARKS, PATRICIA A.

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singlechaintoxin.txt

E13	2	AU=MARKS, PATRICIA ANN WARREN
E14	1	AU=MARKS, PATRICIA HUNT
E15	1	AU=MARKS, PATRICIA N.
E16	1	AU=MARKS, PATRICIA RUTH
E17	3	AU=MARKS, PATRICK
E18	1	AU=MARKS, PATRICK C.
E19	3	AU=MARKS, PATRICK C.
E20	1	AU=MARKS, PATRICK EUGENE
E21	3	AU=MARKS, PATRICK J.
E22	1	AU=MARKS, PATRICK J.
E23	579	AU=MARKS, PAUL
E24	16	AU=MARKS, PAUL A
E25	8	AU=MARKS, PAUL A (ED)

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Ref	Items	Index-term
E26	226	AU=MARKS, PAUL A.
E27	3	AU=MARKS, PAUL H
E28	1	AU=MARKS, PAUL H.
E29	1	AU=MARKS, PAUL THOMAS
E30	1	AU=MARKS, PAULA
E31	1	AU=MARKS, PAULA A.
E32	4	AU=MARKS, PAULA J.
E33	1	AU=MARKS, PAULA JEAN
E34	8	AU=MARKS, PAWEL
E35	3	AU=MARKS, PBD
E36	1	AU=MARKS, PENELOPE J.
E37	1	AU=MARKS, PERCY L.
E38	37	AU=MARKS, PETER
E39	1	AU=MARKS, PETER A.
E40	1	AU=MARKS, PETER ANTHONY
E41	1	AU=MARKS, PETER G
E42	1	AU=MARKS, PETER G.
E43	2	AU=MARKS, PETER J.
E44	6	AU=MARKS, PETER L.
E45	4	AU=MARKS, PETER L.
E46	1	AU=MARKS, PETER LAWRENCE
E47	1	AU=MARKS, PETER VINCENT, JR.
E48	6	AU=MARKS, PETER W.
E49	20	AU=MARKS, PETER W.
E50	3	AU=MARKS, PETER WAYNE

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Ref	Items	Index-term
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E3	2	AU=MARKS, PH
E4	1	AU=MARKS, PH.
E5	2	AU=MARKS, PHIL
E6	8	AU=MARKS, PHILIP
E7	1	AU=MARKS, PHILIP A.
E8	1	AU=MARKS, PHILIP ANDRE
E9	2	AU=MARKS, PHILIP C.
E10	1	AU=MARKS, PHILIP CHARLES
E11	1	AU=MARKS, PHILIP M. H.
E12	1	AU=MARKS, PHILIP S.
E13	1	AU=MARKS, PHILLIPA
E14	1	AU=MARKS, PIERCE
E15	23	AU=MARKS, PJ
E16	40	AU=MARKS, PL
E17	1	AU=MARKS, PMH

singlechaintoxin.txt

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E18      1 AU=MARKS, PR
E19      1 AU=MARKS, PS
E20      2 AU=MARKS, PT
E21      8 AU=MARKS, PW
E22     145 AU=MARKS, R
E23     707 AU=MARKS, R.
E24      1 AU=MARKS, R. (NEW SOUTH WALES UNIV., KENSINGTON (
E25      3 AU=MARKS, R. A
          Enter PAGE for more

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? s e3-e13
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      1 AU=MARKS, PH.
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      8 AU=MARKS, PHILIP
      1 AU=MARKS, PHILIP A.
      1 AU=MARKS, PHILIP ANDRE
      2 AU=MARKS, PHILIP C.
      1 AU=MARKS, PHILIP CHARLES
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      1 AU=MARKS, PHILIP S.
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S10     21 S E3-E13

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>>>W: Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
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? s s11 and staph?
      21 S11
      878128 STAPH?
S12      0 S S11 AND STAPH?

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? s s11
S13     21 S S11

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? e d
Ref  Items  RT  Index-term
E1 12823980
E2      1 D
E3      2 D C ORANGE NO. 17-M
E4      3 D C ORANGE 17
E5      1 D RED BLOOD CELL
E6      1 D .
E7      1 D . DENTIFER
E8      1 D . DREHERI
E9      1 D . FILISTOMA
E10     1 D . LY ROIDES
E11     1 D . MICRUPS AQUILONIUS
E12     1 D . MULTIDENTATUS
E13     1 D . MUTADOMUM
E14     1 D . NOINSKYI
E15     1 D . OLIGOCAENICUS
E16     1 D . SIMPSONI
E17     1 D . STRIATELLUS
E18     1 D <- A, D <- B TRANSITIONS IN O-2
E19     2 D <- A, D <- B TRANSITIONS ON OXYGEN
E20     1 D <- A TRANSITION
E21     1 D (
E22     1 D ((MP))-CONVOLUTION OF ULTRADISTRIBUTIONS
E23     1 D (+) CLOPROSTENOL SODIUM PRELOBAN
          D (+) MANNOSE

```

singlechaintoxin.txt
E24 1 D (+)-CAMPOR SULFONIC ACID
E25 1 D (+)-P-TOLUENESULFONYLLACTIC ACID ETHYL ESTER
Enter PAGE for more

? s s13
S14 21 S S13

? rd
>>>W: Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S15 21 RD (UNIQUE ITEMS)

? rd
>>>W: Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S16 21 RD (UNIQUE ITEMS)

? s s16 and polysacc?
21 S16
553702 POLYSACC?
S17 0 S S16 AND POLYSACC?

? s s16
S18 21 S S16

? t s16/3,k/1-5
>>>W: KWIC option is not available in file(s): 399
16/3,k/1 (Item 1 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
(c) 2008 CSA. All rights reserved.
0001062898 IP Accession No: 2584861
Occult posttraumatic osteochondral lesions of the knee: Prevalence, classification,
and short-term sequelae evaluated with MR imaging.

Dale Vellet, A; Marks, PH; Fowler, PJ; Munro, TG Dep. Diagn. Radiol. and Nucl. Med.,
Univ. Hosp., 339 Windermere Rd., P.O. Box 5339, London, Ont. N6A 5A5, Canada
Radiology, v 178, n 1, p 271-276, 1991
Addl. Source Info: Radiology, vol. 178, no. 1, pp. 271-276, 1991
Publication Date: 1991

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 0033-8419
File Segment: Calcium & Calcified Tissue Abstracts
Dale Vellet, A; Marks, PH; Fowler, PJ; Munro, TG

16/3,k/2 (Item 2 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
(c) 2008 CSA. All rights reserved.
0000761677 IP Accession No: 1925789
Heterotopic ossification around the hip with intramedullary nailing of the femur.

Marks, PH; Paley, D; Kellam, JF Sunnybrook Med. Cent., 2075 Bayview Ave., Suite
3015, Toronto, Ont. M4N 3M5, Canada
Journal of Trauma, v 28, n 8, p 1207-1213, 1988
Addl. Source Info: Journal of Trauma [J. TRAUMA.], vol. 28, no. 8, pp. 1207-1213,
Page 53

1988

Publication Date: 1988

Conference:

47. Annual Session of the American Association for the Surgery of Trauma, Montreal, Que. (Canada), 9-12 Sep 1987

Document Type: Journal Article; Conference

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0022-5282

File Segment: Calcium & Calcified Tissue Abstracts

Marks, PH; Paley, D; Kellam, JF

16/3,K/3 (Item 1 from file: 399) Links

CA SEARCH(R)

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148024474 CA: 148(2)24474h PATENT

Clostridial neurotoxin fusion proteins targeted to nociceptive sensory neurons for the treatment of pain

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick;

Aoki, K. Roger; Francis, Joseph; Steward, Lance

Location: UK,

Assignee: Syntaxin Limited; Allergan, Inc.

Patent: PCT International ; WO 2007138339 A2 Date: 20071206

Application: WO 2007GB2049 (20070601) *GB 200610867 (20060601)

Pages: 124pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPC8	Level	Value	Position	Status	Version	Action	Source	Office
A61K-0038/48	A	I	F	B	20060101	H	EP	
A61K-0039/08	A	I	L	B	20060101	H	EP	
A61P-0025/04	A	I	L	B	20060101	H	EP	

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT; TZ; UA; Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

16/3,K/4 (Item 2 from file: 399) Links

CA SEARCH(R)

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145050778 CA: 145(3)50778t PATENT

Fusion proteins comprising non-cytotoxic protease, translocation, protease cleavage site, and targeting moieties for the treatment of pain

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick;

Aoki, K. Roger; Francis, Joseph; Steward, Lance

Location: UK,

Assignee: Health Protection Agency; Allergan, Inc.

Patent: PCT International ; WO 200659093 A2 Date: 20060608

Application: WO 2005GB4585 (20051201) *GB 200426394 (20041201) *GB 20054964 (20050310)

Pages: 267 pp.

singlechaintoxin.txt

CODEN: PIXXD2

Language: English

Patent Classifications:

IPCR/8 + Level Value Position Status Version Action Source Office:

A61K-0038/16 A I F B 20060101 H EP
 C07K-0019/00 A I L B 20060101 H EP
 C07K-0014/435 A I L B 20060101 H EP
 C12N-0015/62 A I L B 20060101 H EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA
 Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

16/3,K/5 (Item 3 from file: 399) Links

CA SEARCH(R)

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145050777 CA: 145(3)50777s PATENT

Fusion proteins comprising non-cytotoxic protease, translocation, protease cleavage site, and targeting moieties for the treatment of diseases

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick; Durose, Lyndsey

Location: UK,

Assignee: Health Protection Agency

Patent: PCT International ; WO 200659113 A2 Date: 20060608

Application: WO 2005GB4606 (20051201) *GB 200426397 (20041201)

Pages: 114 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPCR/8 + Level Value Position Status Version Action Source Office:

C07K-0014/33 A I F B 20060101 H EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA
 Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

? e au=sutton, j?

Ref Items Index-term

E1 6 AU=SUTTON, J.T.
 E2 7 AU=SUTTON, J.W.
 E3 0 AU=SUTTON, J?
 E4 16 AU=SUTTON, JA
 E5 2 AU=SUTTON, JA JR
 E6 16 AU=SUTTON, JACK
 E7 3 AU=SUTTON, JACK W.
 E8 1 AU=SUTTON, JACKIE
 E9 1 AU=SUTTON, JACKLENE
 E10 1 AU=SUTTON, JACQUELINE Y.
 E11 1 AU=SUTTON, JAIME

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                                singlechaintoxin.txt
E12      6 AU=SUTTON, JAIME M.
E13     12 AU=SUTTON, JAMES
E14      1 AU=SUTTON, JAMES A.
E15      2 AU=SUTTON, JAMES A.
E16      1 AU=SUTTON, JAMES A., JR
E17      1 AU=SUTTON, JAMES BISHOP, JR
E18     519 AU=SUTTON, JAMES C.
E19      3 AU=SUTTON, JAMES C., JR.
E20      2 AU=SUTTON, JAMES CLIFFORD, JR.
E21      1 AU=SUTTON, JAMES D.
E22      1 AU=SUTTON, JAMES D.
E23      2 AU=SUTTON, JAMES DOUGLAS
E24     13 AU=SUTTON, JAMES E.
E25      7 AU=SUTTON, JAMES EDWARD
Enter PAGE for more

? s e1-e25
      6 AU=SUTTON, J.T.
      7 AU=SUTTON, J.W.
      0 AU=SUTTON, J?
     16 AU=SUTTON, JA
      2 AU=SUTTON, JA JR
     16 AU=SUTTON, JACK
      3 AU=SUTTON, JACK W.
      1 AU=SUTTON, JACKIE
      1 AU=SUTTON, JACKLENE
      1 AU=SUTTON, JACQUELINE Y.
      1 AU=SUTTON, JAIME
      6 AU=SUTTON, JAIME M.
     12 AU=SUTTON, JAMES
      1 AU=SUTTON, JAMES A.
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      1 AU=SUTTON, JAMES A., JR
      1 AU=SUTTON, JAMES BISHOP, JR
     519 AU=SUTTON, JAMES C.
      3 AU=SUTTON, JAMES C., JR.
      2 AU=SUTTON, JAMES CLIFFORD, JR.
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     13 AU=SUTTON, JAMES E.
      7 AU=SUTTON, JAMES EDWARD
S19     624 S E1-E25

? s s19
S20     624 S S19

? s s20 and saccharide
      624 S20
    205095 SACCHARIDE
S21      0 S S20 AND SACCHARIDE

? s s21 and poly?
Processing
Processing
Processing
Processing
Processing
Processing
>>>W: File 144 processing for POLY? stopped at POLYTEREPHTHALATES
File 399 processing for POLY? stopped at POLYIOBUTYLENE
      0 S21
    17110776 POLY?

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S22 0 S S21 AND POLY? singlechaintoxin.txt

? s s21

S23 0 S S21

? s s20

S24 624 S S20

? s s24 and aureus

624 S24

586086 AUREUS

S25 0 S S24 AND AUREUS

? e au=shone, clifford

Ref	Items	Index-term
E1	1	AU=SHONE, CLIFF
E2	2	AU=SHONE, CLIFF C.
E3	5	AU=SHONE, CLIFFORD
E4	14	AU=SHONE, CLIFFORD C
E5	9	AU=SHONE, CLIFFORD C (ED)
E6	53	AU=SHONE, CLIFFORD C.
E7	1	AU=SHONE, CLIFFORD C. (ED)
E8	15	AU=SHONE, CLIFFORD CHARLES
E9	1	AU=SHONE, D.
E10	1	AU=SHONE, D. G.
E11	2	AU=SHONE, D. K.
E12	1	AU=SHONE, D. L.
E13	7	AU=SHONE, D. L.
E14	3	AU=SHONE, D.L.
E15	2	AU=SHONE, DG
E16	3	AU=SHONE, DICK
E17	2	AU=SHONE, DUDLEY K.
E18	10	AU=SHONE, E. B.
E19	3	AU=SHONE, E.B.
E20	7	AU=SHONE, E.B.
E21	6	AU=SHONE, EB
E22	4	AU=SHONE, EDWARD BRIAN
E23	16	AU=SHONE, F.
E24	1	AU=SHONE, F. C
E25	3	AU=SHONE, F. C.

Enter PAGE for more

? s e1-e8,e24-25

>>>W: Term "25" in invalid position

>>>E: There is no result

? s e1-e8,e24,e25

	1	AU=SHONE, CLIFF
	2	AU=SHONE, CLIFF C.
	5	AU=SHONE, CLIFFORD
	14	AU=SHONE, CLIFFORD C
	9	AU=SHONE, CLIFFORD C (ED)
	53	AU=SHONE, CLIFFORD C.
	1	AU=SHONE, CLIFFORD C. (ED)
	15	AU=SHONE, CLIFFORD CHARLES
	1	AU=SHONE, F. C
	3	AU=SHONE, F. C.
S26	103	S E1-E8,E24,E25

? s s25 and toxin

0 S25

1038535 TOXIN

S27 0 S S25 AND TOXIN

singlechaintoxin.txt

? s s26

S28 103 S S26

? rd

>>>W: Duplicate detection is not supported for File 393.

Duplicate detection is not supported for File 391.

Records from unsupported files will be retained in the RD set.

S29 85 RD (UNIQUE ITEMS)

? s s29 and toxin

85 S29

1038535 TOXIN

S30 60 S S29 AND TOXIN

? t s30/3,k/1-10

>>>W: KWIC option is not available in file(s): 399

30/3,k/1 (Item 1 from file: 98) Links

General Sci Abs

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03519319 H.w. Wilson Record Number: BGSI97019319

Botulinum neurotoxin B inhibits insulin-stimulated glucose uptake into 3T3-L1 adipocytes and cleaves cellubrevin unlike type A toxin which failed to proteolyze the SNAP-23 present.

Chen, Fusheng

Foran, Patrick; Shone, Clifford C

Biochemistry (American Chemical Society) (Biochemistry) v. 36 (May 13 '97) p.

5719-28

Document Type: Feature Article

Special Features: bibl il ISSN: 0006-2960

Language: English

Country Of Publication: United States

...inhibits insulin-stimulated glucose uptake into 3T3-L1 adipocytes and cleaves cellubrevin unlike type A toxin which failed to proteolyze the SNAP-23 present.

Foran, Patrick; Shone, Clifford C

Abstract: ...of the insulin-stimulated translocation of GLUT4 to the plasmalemma.

This establishes that these two toxin substrates contribute to the insulin-regulated fusion of GLUT4-containing vesicles with the plasmalemma, at...

30/3,k/2 (Item 2 from file: 98) Links

General Sci Abs

(c) 2008 The HW Wilson Co. All rights reserved.

03260976 H.w. Wilson Record Number: BGSA96010976

Botulinum neurotoxin C1 cleaves both syntaxin and SNAP-25 in intact and permeabilized chromaffin cells: correlation with its blockade of catecholamine release.

Foran, Patrick

Lawrence, Gary W; Shone, Clifford C

Biochemistry (American Chemical Society) v. 35 (Feb. 27 1996) p. 2630-6

Special Features: bibl il ISSN: 0006-2960

Language: English

Country Of Publication: United States

Lawrence, Gary W; Shone, Clifford C

Abstract: ...were examined together with its underlying molecular action. Intact chromaffin cells were exposed to the toxin, and catecholamine release therefrom was then measured in conjunction with the monitoring of syntaxin cleavage...

...C-terminal peptide of SNAP-25 revealed the additional disappearance of

singlechaintoxin.txt
immunoreactivity, with the same toxin concentration dependency as syntaxin
breakdown. Notably, the cleaved SNAP-25 product was similar in size...

Descriptors:

Chromaffin tissues; Syntaxin; Catecholamines; Synaptosome associated protein;
Exocytosis; Botulinum toxin

30/3,K/3 (Item 3 from file: 98) Links

General Sci Abs

(c) 2008 The HW Wilson Co. All rights reserved.

03004575 H.w. Wilson Record Number: BGSA95004575

Differences in the protease activities of tetanus and botulinum B toxins revealed by
the cleavage of vesicle-associated membrane protein and various sized fragments.

Foran, Patrick

Shone, Clifford C; Dolly, J. Oliver

Biochemistry (American Chemical Society) v. 33 (Dec. 27 1994) p. 15365-74

Special Features: bibl il ISSN: 0006-2960

Language: English

Country Of Publication: United States

Shone, Clifford C; Dolly, J. Oliver

Abstract: Botulinum neurotoxin serotype B (BoNT/B) and tetanus toxin (TeTx) block
neuroexocytosis through selective endoproteolysis of vesicle-associated membrane
protein (VAMP). The enzymological properties...

Descriptors:

Tetanus toxin; Proteolysis... ..Kinetics; Botulinum toxin

30/3,K/4 (Item 4 from file: 98) Links

General Sci Abs

(c) 2008 The HW Wilson Co. All rights reserved.

00524665 H.w. Wilson Record Number: BGSI85024665

Monoclonal antibody-based immunoassay for type A Clostridium botulinum toxin is
comparable to the mouse bioassay.

Shone, Clifford

Wilton-Smith, Peter; Appleton, Nigel

Applied and Environmental Microbiology (Appl Environ Microbiol) v. 50 (July '85)

p. 63-7

Document Type: Feature Article

Special Features: bibl il ISSN: 0099-2240

Language: English

Country Of Publication: United States

Monoclonal antibody-based immunoassay for type A Clostridium botulinum toxin is
comparable to the mouse bioassay.

Shone, Clifford

30/3,K/5 (Item 1 from file: 399) Links

CA SEARCH(R)

(c) 2008 American Chemical Society. All rights reserved.

148347366

CA: 148(16)347366u

PATENT

Novel agent for controlling cell activity

Inventor (Author): North, John Robert; Foster, Keith Alan; Quinn, Conrad Padraig;

Shone, Clifford Charles

Location: Can.,

Patent: U.S. Pat. Appl. Publ. : US 20080070278 A1 Date: 20080320

Application: US 2007819647 (20070628) *GB 935735 (19930319) *WO 94Gb558 (19940318)

Page 59

singlechaintoxin.txt
*US 513878 (19951201) *US 2000572431 (20000517)

Pages: 9pp., Cont.-in-part of U. S. Ser. No. 572,431.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 435069100

IPCR/8 + Level	Value	Position	Status	Version	Action	Source	Office:
C12P-0021/04	A	I F B	20060101	20080320	H	US	
C07H-0021/00	A	I L B	20060101	20080320	H	US	
C07K-0014/00	A	I L B	20060101	20080320	H	US	
C07K-0016/18	A	I L B	20060101	20080320	H	US	
C12N-0009/00	A	I L B	20060101	20080320	H	US	

30/3,K/6 (Item 2 from file: 399) Links

CA SEARCH(R)

(c) 2008 American Chemical Society. All rights reserved.

147268110 CA: 147(13)268110g CONFERENCE PROCEEDING
Development of therapeutics based upon clostridial endopeptidase activity
Author: Foster, Keith A.; Chaddock, John A.
Location: Syntaxin Ltd., Salisbury, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 195-212
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

30/3,K/7 (Item 3 from file: 399) Links

CA SEARCH(R)

(c) 2008 American Chemical Society. All rights reserved.

147268109 CA: 147(13)268109p CONFERENCE PROCEEDING
Expanding clinical uses of botulinum neurotoxins
Author: Moore, A. Peter
Location: The Walton Centre for Neurology and Neurosurgery, Liverpool University,
Liverpool, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 163-194
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

30/3,K/8 (Item 4 from file: 399) Links

CA SEARCH(R)

(c) 2008 American Chemical Society. All rights reserved.

147268108 CA: 147(13)268108n CONFERENCE PROCEEDING
Introduction to clinical use of botulinum neurotoxins
Author: Barnes, Michael P.
Location: Hunters Moor Regional Rehabilitation Centre, Newcastle-upon-Tyne, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 139-162
CODEN: 69IYSV
Language: English

singlechaintoxin.txt

Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

30/3,K/9 (Item 5 from file: 399) Links

CA SEARCH(R)

(C) 2008 American Chemical Society. All rights reserved.

147135615 CA: 147(7)135615d CONFERENCE PROCEEDING
Three-dimensional protein structures of light chains of botulinum neurotoxin
serotypes A, B, and E and tetanus neurotoxin
Author: Swaminathan, Subramanyam; Stevens, Raymond C.
Location: Dep. Biology, Brookhaven National Lab., Upton, NY, USA
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 19-45
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

30/3,K/10 (Item 6 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

CA SEARCH(R)

(C) 2008 American Chemical Society. All rights reserved.

147023292 CA: 147(2)23292g JOURNAL
Re-engineering the target specificity of clostridial neurotoxins - a route to novel
therapeutics
Author: Foster, Keith A.; Adams, Emily J.; Durose, Lyndsey; Cruttwell, Caroline J.;
Marks, Elizabeth; Shone, Clifford C.; Chaddock, John A.; Cox, Clare L.; Heaton,
Charlotte; Sutton, J. Mark; Wayne, Jonathan; Alexander, Frances C. G.; Rogers,
Duncan F.
Location: Centre for Emergency Preparedness & Response, Health Protection Agency,
Salisbury, UK, SP4 0JG
Journal: Neurotoxic. Res.
Date: 2006
Volume: 9 Number: 2,3 Pages: 101-107
CODEN: NURRFI
ISSN: 1029-8428
Language: English
Publisher: F. P. Graham Publishing Co.

? e au=foster, keith

Ref	Items	Index-term
E1	57	AU=FOSTER, KE
E2	8	AU=FOSTER, KEIR
E3	25	AU=FOSTER, KEITH
E4	3	AU=FOSTER, KEITH A
E5	192	AU=FOSTER, KEITH A.
E6	10	AU=FOSTER, KEITH A. (ED)
E7	16	AU=FOSTER, KEITH ALAN
E8	3	AU=FOSTER, KEITH ALLEN
E9	1	AU=FOSTER, KEITH D.
E10	1	AU=FOSTER, KEITH EDWARD ST. JOHN
E11	1	AU=FOSTER, KEITH THOMAS
E12	3	AU=FOSTER, KELLEY A
E13	8	AU=FOSTER, KELLEY A.
E14	1	AU=FOSTER, KELLI
E15	1	AU=FOSTER, KELLIE
E16	1	AU=FOSTER, KELLIE D.

singlechaintoxin.txt

E17 5 AU=FOSTER, KELLY
 E18 9 AU=FOSTER, KELLY A.
 E19 9 AU=FOSTER, KELLY A.
 E20 2 AU=FOSTER, KELLY ANNE
 E21 3 AU=FOSTER, KELLY L.
 E22 2 AU=FOSTER, KELLY M.
 E23 7 AU=FOSTER, KELLY W.
 E24 11 AU=FOSTER, KEN
 E25 2 AU=FOSTER, KEN R.
 Enter PAGE for more

? s e1-e11
 57 AU=FOSTER, KE
 8 AU=FOSTER, KEIR
 25 AU=FOSTER, KEITH
 3 AU=FOSTER, KEITH A
 192 AU=FOSTER, KEITH A.
 10 AU=FOSTER, KEITH A. (ED)
 16 AU=FOSTER, KEITH ALAN
 3 AU=FOSTER, KEITH ALLEN
 1 AU=FOSTER, KEITH D.
 1 AU=FOSTER, KEITH EDWARD ST. JOHN
 1 AU=FOSTER, KEITH THOMAS
 S31 314 S E1-E11

? s s31 and toxin
 314 S31
 1038535 TOXIN
 S32 47 S S31 AND TOXIN

? rd
 >>>W: Duplicate detection is not supported for File 393.
 Duplicate detection is not supported for File 391.
 Records from unsupported files will be retained in the RD set.
 S33 42 RD (UNIQUE ITEMS)

? t s33/3,k/1-10
 >>>W: KWIC option is not available in file(s): 399
 33/3,k/1 (Item 1 from file: 24) Links
 Fulltext available through: STIC Full Text Retrieval Options
 CSA Life Sciences Abstracts
 (c) 2008 CSA. All rights reserved.
 0003124086 IP Accession No: 7733773
 Manipulation of Signal Transduction by Botulinum Neurotoxins and their Derivatives

Chaddock, John A; Foster, Keith A
 Current Signal Transduction Therapy, v 2, n 3, p 221-225, September 2007
 Publication Date: 2007
 Publisher: Bentham Science Publishers B.V., P.O. Box 1673 Hilversum 1200 BR The
 Netherlands, [mailto:shidding@worldonline.nl], [URL:http://www.bentham.org]

Document Type: Journal Article
 Record Type: Abstract
 Language: English
 Summary Language: English
 ISSN: 1574-3624
 File Segment: Bacteriology Abstracts (Microbiology B)
 Chaddock, John A; Foster, Keith A

Descriptors: Acetylcholine; Autonomic nervous system; Botulinum toxin; Cholinergic
 nerves; Intercellular signalling; N-Ethylmaleimide-sensitive protein; Neurotoxins;
 Neurotransmission; Neurotransmitter release; Proteolysis; Receptor channels...

singlechaintoxin.txt

33/3,K/2 (Item 1 from file: 393) Links

Beilstein Database - Abstracts

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Beilstein Abstract Id: 6641440

Title: Capsaicin-Stimulated Release of Substance P from Cultured Dorsal Root Ganglion Neurons: Involvement of Two Distinct Mechanisms

Document Type: Journal Record Type: Abstract

Author: Purkiss, John; Welch, Mary; Doward, Sarah; Foster, Keith

Citation: Biochem. Pharmacol. (2000) Series: 59-11, 1403 - 1406 CODEN: BCPACA

Language: English

Abstract Language: English

Author: Purkiss, John; Welch, Mary; Doward, Sarah; Foster, Keith

Patent Assignee:

Abstract: ... induced release and brought about a robust response to potassium. Preincubation of cells with botulinum neurotoxin A (100 nM) completely blocked potassium-induced release but the capsaicin response, in the absence of Ca(2+), was unaffected. However, toxin treatment dramatically reduced capsaicin-stimulated release in the presence of Ca(2+). It is concluded...

Abstract Language:

Keywords: capsaicin; botulinum neurotoxin A; dorsal root ganglion neurons; neurotransmitter release; synaptosomal-associated protein of 25 kDa (SNAP-25...

33/3,K/3 (Item 1 from file: 399) Links

CA SEARCH(R)

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149440380

CA: 149(20)440380z

PATENT

Cytotoxic toxin fusion proteins for treatment of conditions involving mucus hypersecretion

Inventor (Author): Foster, Keith Alan; Chaddock, John

Location: UK,

Assignee: Syntaxin, Ltd.

Patent: U.S. Pat. Appl. Publ. : US 20080249019 A1 Date: 20081009

Application: US 2008101749 (20080411) *GB 9818548 (19980825) *WO 99GB2806 (19990825)

*US 2001763669 (20010529) *US 2003633698 (20030805) *US 2006518213 (20060911) *US

2007806496 (20070531)

Pages: 79pp., Cont.-in-part of U.S. Ser. No. 806,496.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 514012000

IPCR/8 + Level Value Position Status Version Action Source Office:

A61K-0038/02	A	I	F	B	20060101	20081009	H	US
A61P-0011/06	A	N	L	B	20060101	20081009	H	US
A61P-0011/16	A	N	L	B	20060101	20081009	H	US

33/3,K/4 (Item 2 from file: 399) Links

CA SEARCH(R)

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148347366

CA: 148(16)347366u

PATENT

Novel agent for controlling cell activity

Inventor (Author): North, John Robert; Foster, Keith Alan; Quinn, Conrad Padraig;

Shone, Clifford Charles

Location: Can.,

Patent: U.S. Pat. Appl. Publ. : US 20080070278 A1 Date: 20080320

Application: US 2007819647 (20070628) *GB 935735 (19930319) *WO 94GB558 (19940318)

*US 513878 (19951201) *US 2000572431 (20000517)

Pages: 9pp., Cont.-in-part of U. S. Ser. No. 572,431.

CODEN: USXXCO

singlechaintoxin.txt

Language: English

Patent Classifications:

Class: 435069100

IPCR/8 + Level	Value	Position	Status	Version	Action	Source	Office:
C12P-0021/04	A	I F B	20060101	20080320	H	US	
C07H-0021/00	A	I L B	20060101	20080320	H	US	
C07K-0014/00	A	I L B	20060101	20080320	H	US	
C07K-0016/18	A	I L B	20060101	20080320	H	US	
C12N-0009/00	A	I L B	20060101	20080320	H	US	

33/3,K/5 (Item 3 from file: 399) Links

CA SEARCH(R)

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148230138

CA: 148(11)230138e

PATENT

Methods and compounds for the treatment of mucus hypersecretion by inhibiting mucus secretion using compounds having targeting and translocating modified light chain of clostridial neurotoxin

Inventor (Author): Quinn, Conrad Padraig; Foster, Keith Alan; Chaddock, John

Location: UK,

Assignee: Syntaxin Ltd.

Patent: U.S. Pat. Appl. Publ. ; US 20080032928 A1 Date: 20080207

Application: US 2007806496 (20070531) *GB 9818548 (19980825) *WO 99GB2806 (19990825)

*US 2001763669 (20010529) *US 2003633698 (20030805) *US 2006518213 (20060911)

Pages: 80pp., Cont.-in-part of U.S. Ser. No. 518,213.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 514012000

IPCR/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0038/00	A	I F B	20060101	20080207	H	US	
A61P-0011/00	A	I L B	20060101	20080207	H	US	
C07H-0021/04	A	I L B	20060101	20080207	H	US	
C07K-0016/00	A	I L B	20060101	20080207	H	US	

33/3,K/6 (Item 4 from file: 399) Links

CA SEARCH(R)

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148024474

CA: 148(2)24474h

PATENT

Clostridial neurotoxin fusion proteins targeted to nociceptive sensory neurons for the treatment of pain

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick;

Aoki, K. Roger; Francis, Joseph; Steward, Lance

Location: UK,

Assignee: Syntaxin Limited; Allergan, Inc.

Patent: PCT International ; WO 2007138339 A2 Date: 20071206

Application: WO 2007GB2049 (20070601) *GB 200610867 (20060601)

Pages: 124pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPCR/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0038/48	A	I F B	20060101		H	EP	
A61K-0039/08	A	I L B	20060101		H	EP	
A61P-0025/04	A	I L B	20060101		H	EP	

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT; TZ; UA

singlechaintoxin.txt

Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE;
IS; IT; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM;
GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;
TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

33/3,K/7 (Item 5 from file: 399) Links

CA SEARCH(R)

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147268110 CA: 147(13)268110g CONFERENCE PROCEEDING
Development of therapeutics based upon clostridial endopeptidase activity
Author: Foster, Keith A.; Chaddock, John A.
Location: Syntaxin Ltd., Salisbury, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 195-212
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

33/3,K/8 (Item 6 from file: 399) Links

CA SEARCH(R)

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147268109 CA: 147(13)268109p CONFERENCE PROCEEDING
Expanding clinical uses of botulinum neurotoxins
Author: Moore, A. Peter
Location: The Walton Centre for Neurology and Neurosurgery, Liverpool University,
Liverpool, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 163-194
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

33/3,K/9 (Item 7 from file: 399) Links

CA SEARCH(R)

(c) 2008 American Chemical Society. All rights reserved.

147268108 CA: 147(13)268108n CONFERENCE PROCEEDING
Introduction to clinical use of botulinum neurotoxins
Author: Barnes, Michael P.
Location: Hunters Moor Regional Rehabilitation Centre, Newcastle-upon-Tyne, UK,
Journal: Treat. Toxins
Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
Date: 2007
Pages: 139-162
CODEN: 69IYSV
Language: English
Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

33/3,K/10 (Item 8 from file: 399) Links

CA SEARCH(R)

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147135615 CA: 147(7)135615d CONFERENCE PROCEEDING
Page 65

singlechaintoxin.txt
 Three-dimensional protein structures of light chains of botulinum neurotoxin
 serotypes A, B, and E and tetanus neurotoxin
 Author: Swaminathan, Subramanyam; Stevens, Raymond C.
 Location: Dep. Biology, Brookhaven National Lab., Upton, NY, USA
 Journal: Treat. Toxins
 Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
 Date: 2007
 Pages: 19-45
 CODEN: 69IYSV
 Language: English
 Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

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Ref  Items  Index-term
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E2     26  AU=CHADDOCK, J.B.
E3      0  AU=CHADDOCK, J?
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E7      1  AU=CHADDOCK, JACK BARTLEY
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E9     11  AU=CHADDOCK, JOHN
E10     6  AU=CHADDOCK, JOHN A
E11    20  AU=CHADDOCK, JOHN A.
E12     7  AU=CHADDOCK, JOHN ANDREW
E13     1  AU=CHADDOCK, K.M.
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      1  AU=CHADDOCK, JACK BARTLEY
      5  AU=CHADDOCK, JOEL
     11  AU=CHADDOCK, JOHN
      6  AU=CHADDOCK, JOHN A
     20  AU=CHADDOCK, JOHN A.
      7  AU=CHADDOCK, JOHN ANDREW
S34    178  S E1-E12
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      178  S34
    1038535  TOXIN
S35      37  S S34 AND TOXIN
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singlechaintoxin.txt

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>>>W: Duplicate detection is not supported for File 393.
Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S36 28 RD (UNIQUE ITEMS)

? t s36/3,k/1-10

>>>W: KWIC option is not available in file(s): 399
36/3,k/1 (Item 1 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
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0003124086 IP Accession No: 7733773
Manipulation of Signal Transduction by Botulinum Neurotoxins and their Derivatives

Chaddock, John A; Foster, Keith A
Current Signal Transduction Therapy , v 2 , n 3 , p 221-225 , September 2007
Publication Date: 2007
Publisher: Bentham Science Publishers B.V., P.O. Box 1673 Hilversum 1200 BR The
Netherlands, [mailto:shidding@worldonline.nl], [URL:http://www.bentham.org]

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 1574-3624
File Segment: Bacteriology Abstracts (Microbiology B)
Chaddock, John A; Foster, Keith A

Descriptors: Acetylcholine; Autonomic nervous system; Botulinum toxin; Cholinergic
nerves; Inter cellular signalling; N-Ethylmaleimide-sensitive protein; Neurotoxins;
Neurotransmission; Neurotransmitter release; Proteolysis; Receptor channels...

36/3,k/2 (Item 2 from file: 24) Links
Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
(c) 2008 CSA. All rights reserved.
0002967956 IP Accession No: 7189280
Clostridial neurotoxins: structure-function led design of new therapeutics

Chaddock, JA; Marks, PMH Health Protection Agency, Centre for Emergency Preparedness
and Response, Porton Down, Salisbury, Wiltshire SP4 0JG (United Kingdom),
[mailto:john.chaddock@hpa.org.uk]
Cellular and Molecular Life Sciences , v 63 , n 5 , p 540-551 , March 2006
Publication Date: 2006

Document Type: Journal Article; Review
Record Type: Abstract
Language: English
Summary Language: English
ISSN: 1420-682X
File Segment: CSA Neurosciences Abstracts
Chaddock, JA; Marks, PMH

Abstract:
...crystallographic structures of individual domains, has enabled researchers to
explore structure-function relationships of the toxin domains more closely. These
advances have facilitated a greater understanding of the potential use of...

Descriptors: Botulinum toxin; Botulism; Drug development; Neurotoxins; Reviews;
Structure-function relationships; Tetanus
Identifiers:

singlechaintoxin.txt

36/3,K/3 (Item 3 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
(c) 2008 CSA. All rights reserved.
0002373660 IP Accession No: 5450650

Inhibition of Release of Neurotransmitters from Rat Dorsal Root Ganglia by a Novel Conjugate of a Clostridium botulinum Toxin A Endopeptidase Fragment and Erythrina cristagalli Lectin

Duggan, MJ; Quinn, CP; Chaddock, JA; Purkiss, JR; Alexander, FCG ; Doward, S; Fooks, SJ; Friis, LM; Hall, YHJ; Kirby, ER; Leeds, N; Moulds, HJ; Dickenson, A; Green, GM; Rahman, W; Suzuki, R; Shone, CC; Foster, KA Centre for Applied Microbiology and Research, Porton Down, Salisbury, Wiltshire SP4 0JG, United Kingdom,
[mailto:john.chaddock@camr.org.uk]
Journal of Biological Chemistry , v 277 , n 38 , p 34846-34852 , September 20, 2002
Publication Date: 2002

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0021-9258

File Segment: Toxicology Abstracts; CSA Neurosciences Abstracts
...of Neurotransmitters from Rat Dorsal Root Ganglia by a Novel Conjugate of a Clostridium botulinum Toxin A Endopeptidase Fragment and Erythrina cristagalli Lectin

Duggan, MJ; Quinn, CP; Chaddock, JA; Purkiss, JR; Alexander, FCG ; Doward, S; Fooks, SJ; Friis, LM; Hall, YHJ; Kirby, ER...

36/3,K/4 (Item 4 from file: 24) Links

Fulltext available through: STIC Full Text Retrieval Options
CSA Life Sciences Abstracts
(c) 2008 CSA. All rights reserved.
0001271228 IP Accession No: 2990145

Addition of an ER retention signal to the ricin A chain increases the cytotoxicity of the holotoxin.

Wales, R; Chaddock, JA; Roberts, LM; Lord, JM Dep. Biol. Sci., Univ. Warwick, Coventry CV4 7AL, UK
Experimental Cell Research , v 203 , n 1 , p 1-4 , 1992
Add. Source Info: Experimental Cell Research [EXP. CELL RES.], vol. 203, no. 1, pp. 1-4, 1992
Publication Date: 1992

Document Type: Journal Article

Record Type: Abstract

Language: English

Summary Language: English

ISSN: 0014-4827

File Segment: Toxicology Abstracts; Biological Membranes (Biochemistry Abstracts 1)
Wales, R; Chaddock, JA; Roberts, LM; Lord, JM

Abstract:

with the exception of diphtheria toxin, which translocates from acidified endosomes, the intracellular organelle from which the catalytic moieties of several...

36/3,K/5 (Item 1 from file: 98) Links

singlechaintoxin.txt

General Sci Abs

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04878818 H.w. Wilson Record Number: BGSA02128818

Botulinum and tetanus neurotoxins: structure, function and therapeutic utility.

Augmented Title: review

Turton, Kathryn

Chaddock, John A; Acharya, K. Ravi

Trends in Biochemical Sciences (Trends Biochem Sci) v. 27 no11 (Nov. 2002) p. 552-8

Special Features: bibl f il ISSN: 0968-0004

Language: English

Country Of Publication: United Kingdom

Chaddock, John A; Acharya, K. Ravi

Descriptors:

...Inhibition; Neuromuscular junction; Botulinum toxin

36/3,K/6 (Item 1 from file: 399) Links

CA SEARCH(R)

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149440380 CA: 149(20)440380z PATENT

Cytotoxic toxin fusion proteins for treatment of conditions involving mucus hypersecretion

Inventor (Author): Foster, Keith Alan; Chaddock, John

Location: UK,

Assignee: Syntaxin, Ltd.

Patent: U.S. Pat. Appl. Publ. ; US 20080249019 A1 Date: 20081009

Application: US 2008101749 (20080411) *GB 9818548 (19980825) *WO 99GB2806 (19990825)

*US 2001763669 (20010529) *US 2003633698 (20030805) *US 2006518213 (20060911) *US

2007806496 (20070531)

Pages: 79pp., Cont.-in-part of U.S. Ser. No. 806,496.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 514012000

IPCR/8 + Level Value Position Status Version Action Source Office:

A61K-0038/02 A I F B 20060101 20081009 H US

A61P-0011/06 A N L B 20060101 20081009 H US

A61P-0011/16 A N L B 20060101 20081009 H US

36/3,K/7 (Item 2 from file: 399) Links

Fulltext available through: STIC Full Text Retrieval Options

CA SEARCH(R)

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148323010 CA: 148(15)323010x JOURNAL

Botulinum neurotoxin A and neurotoxin E cleavage products of synaptosome-associated protein of 25 kd exhibit distinct actions on pancreatic islet .beta.-cell Kv2.1 channel gating

Author: He, Yan; Elias, Chadwick L.; Huang, Ya-Chi; Gao, Xiaodong; Leung, Yuk-Man; Kang, Youhou; Xie, Huanli; Chaddock, John A.; Tsushima, Robert G.; Gaisano, Herbert Y.

Location: Departments of Medicine and Physiology, University of Toronto, Toronto, ON, Can.,

Journal: Pancreas (Hagerstown, MD, U. S.)

Date: 2008

Volume: 36 Number: 1 Pages: 10-17

CODEN: PANCE4

ISSN: 0885-3177

singlechaintoxin.txt

Language: English

Publisher: Lippincott Williams & Wilkins

36/3,K/8 (Item 3 from file: 399) Links

CA SEARCH(R)

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148230138

CA: 148(11)230138e

PATENT

Methods and compounds for the treatment of mucus hypersecretion by inhibiting mucus secretion using compounds having targeting and translocating modified light chain of clostridial neurotoxin

Inventor (Author): Quinn, Conrad Padraig; Foster, Keith Alan; Chaddock, John

Location: UK,

Assignee: Syntaxin Ltd.

Patent: U.S. Pat. Appl. Publ. ; US 20080032928 A1 Date: 20080207

Application: US 2007806496 (20070531) *GB 9818548 (19980825) *WO 99GB2806 (19990825)

*US 2001763669 (20010529) *US 2003633698 (20030805) *US 2006518213 (20060911)

Pages: 80pp., Cont.-in-part of U.S. Ser. No. 518,213.

CODEN: USXXCO

Language: English

Patent Classifications:

Class: 514012000

IPCR/8 + Level Value Position Status Version Action Source Office:

A61k-0038/00	A	I	F	B	20060101	20080207	H	US
A61P-0011/00	A	I	L	B	20060101	20080207	H	US
C07H-0021/04	A	I	L	B	20060101	20080207	H	US
C07K-0016/00	A	I	L	B	20060101	20080207	H	US

36/3,K/9 (Item 4 from file: 399) Links

CA SEARCH(R)

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148024474

CA: 148(2)24474h

PATENT

Clostridial neurotoxin fusion proteins targeted to nociceptive sensory neurons for the treatment of pain

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick; Aoki, K. Roger; Francis, Joseph; Steward, Lance

Location: UK,

Assignee: Syntaxin Limited; Allergan, Inc.

Patent: PCT International ; WO 2007138339 A2 Date: 20071206

Application: WO 2007GB2049 (20070601) *GB 200610867 (20060601)

Pages: 124pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPCR/8 + Level Value Position Status Version Action Source Office:

A61k-0038/48	A	I	F	B	20060101		H	EP
A61k-0039/08	A	I	L	B	20060101		H	EP
A61P-0025/04	A	I	L	B	20060101		H	EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ;

CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH;

GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR;

LS; LT; LU; LY; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH;

PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT; TZ; UA;

Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE;

IS; IT; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM;

GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ;

TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

36/3,K/10 (Item 5 from file: 399) Links

Page 70

singlechaintoxin.txt

CA SEARCH(R)

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147268110 CA: 147(13)268110g CONFERENCE PROCEEDING
 Development of therapeutics based upon clostridial endopeptidase activity
 Author: Foster, Keith A.; Chaddock, John A.
 Location: Syntaxin Ltd., Salisbury, UK,
 Journal: Treat. Toxins
 Editor: Foster, Keith A. (Ed), Hambleton, Peter (Ed), Shone, Clifford C (Ed),
 Date: 2007
 Pages: 195-212
 CODEN: 69IYSV
 Language: English
 Publisher: CRC Press LLC , Boca Raton, Fla ISBN: 978-0-8493-2709-4

? e au=marks, philip?

Ref	Items	Index-term
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E7	40	AU=MARKS, PL
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S38	1	S S37 AND TOXIN

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E5	2	AU=SUTTON, JA JR

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 E10 1 AU=SUTTON, JACQUELINE Y.
 E11 1 AU=SUTTON, JAIM
 E12 6 AU=SUTTON, JAIM M.
 E13 12 AU=SUTTON, JAMES
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 E15 2 AU=SUTTON, JAMES A.
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 E17 1 AU=SUTTON, JAMES BISHOP, JR
 E18 519 AU=SUTTON, JAMES C.
 E19 3 AU=SUTTON, JAMES C., JR.
 E20 2 AU=SUTTON, JAMES CLIFFORD, JR.
 E21 1 AU=SUTTON, JAMES D
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 E23 2 AU=SUTTON, JAMES DOUGLAS
 E24 13 AU=SUTTON, JAMES E.
 E25 7 AU=SUTTON, JAMES EDWARD
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 13 AU=SUTTON, JAMES E.
 7 AU=SUTTON, JAMES EDWARD
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565 S39
 1038535 TOXIN
 S40 0 S S39 AND TOXIN

? e au=stancombe, p?

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E4	6	AU=STANCOMBE, PATRICK
E5	1	AU=STANCOMBE, PATRICK R.
E6	2	AU=STANCOMBE, R
E7	2	AU=STANCOMBE, R.
E8	2	AU=STANCOMBE, S.
E9	1	AU=STANCOMPIANO, P. A.
E10	1	AU=STANCON, ALEXEI
E11	1	AU=STANCOT, J.
E12	1	AU=STANCOTO, LOUIS F.
E13	5	AU=STANCOU H
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E15	39	AU=STANCOU R.
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E17	15	AU=STANCOU, R
E18	3	AU=STANCOU, R.

singlechaintoxin.txt

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 E21 2 AU=STANCOV, A.
 E22 1 AU=STANCOV, ALEXANDRU
 E23 1 AU=STANCOVA V
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4 AU=STANCOMBE, P.
 2 AU=STANCOMBE, P. R.
 0 AU=STANCOMBE, P?
 6 AU=STANCOMBE, PATRICK
 1 AU=STANCOMBE, PATRICK R.
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13 S41
 1038535 TOXIN
 S42 5 S S41 AND TOXIN

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42/3,k/1 (Item 1 from file: 399) Links

CA SEARCH(R)

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148024474 CA: 148(2)24474h PATENT
 Clostridial neurotoxin fusion proteins targeted to nociceptive sensory neurons for the treatment of pain
 Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick; Aoki, K. Roger; Francis, Joseph; Steward, Lance
 Location: UK,
 Assignee: Syntaxis Limited; Allergan, Inc.
 Patent: PCT International ; WO 2007138339 A2 Date: 20071206
 Application: WO 2007G82049 (20070601) *GB 200610867 (20060601)
 Pages: 124pp.
 CODEN: PIXXD2
 Language: English
 Patent Classifications:

IPCR/8 + Level Value Position Status Version Action Source Office:

A61K-0038/48 A I F B 20060101 H EP
 A61K-0039/08 A I L B 20060101 H EP
 A61P-0025/04 A I L B 20060101 H EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KZ; LA; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT; TZ; UA
 Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

42/3,k/2 (Item 2 from file: 399) Links

CA SEARCH(R)

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145050778 CA: 145(3)50778t PATENT

Fusion proteins comprising non-cytotoxic protease, translocation, protease cleavage site, and targeting moieties for the treatment of pain

singlechaintoxin.txt

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick; Aoki, K. Roger; Francis, Joseph; Steward, Lance

Location: UK,

Assignee: Health Protection Agency; Allergan, Inc.

Patent: PCT International ; wO 200659093 A2 Date: 20060608

Application: wO 2005GB4585 (20051201) *GB 200426394 (20041201) *GB 20054964 (20050310)

Pages: 267 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPC8 + Level Value Position Status Version Action Source Office:

A61K-0038/16 A I F B 20060101 H EP

C07K-0019/00 A I L B 20060101 H EP

C07K-0014/435 A I L B 20060101 H EP

C12N-0015/62 A I L B 20060101 H EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

42/3,K/3 (Item 3 from file: 399) Links

CA SEARCH(R)

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145050777 CA: 145(3)50777s PATENT

Fusion proteins comprising non-cytotoxic protease, translocation, protease cleavage site, and targeting moieties for the treatment of diseases

Inventor (Author): Foster, Keith; Chaddock, John; Marks, Philip; Stancombe, Patrick; Durose, Lyndsey

Location: UK,

Assignee: Health Protection Agency

Patent: PCT International ; wO 200659113 A2 Date: 20060608

Application: wO 2005GB4606 (20051201) *GB 200426397 (20041201)

Pages: 114 pp.

CODEN: PIXXD2

Language: English

Patent Classifications:

IPC8 + Level Value Position Status Version Action Source Office:

C07K-0014/33 A I F B 20060101 H EP

Designated Countries: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; Designated Regional: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

42/3,K/4 (Item 4 from file: 399) Links

CA SEARCH(R)

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143417270 CA: 143(23)417270f PATENT

recombinant expression of clostridial neurotoxin light and heavy chain domain and

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singlechaintoxin.txt
 its antibody and DNA vaccine applications
 Inventor (Author): Shone, Charles Clifford; Quinn, Conrad Padraig; Foster, Keith
 Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne,
 Jonathan
 Location: UK,
 Patent: U.S. Pat. Appl. Publ. : US 20050244435 A1 Date: 20051103
 Application: US 200577550 (20050311) *GB 9617671 (19960823) *GB 9625996 (19961213)
 *US 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 2002241596
 (20020912)
 Pages: 45 pp., Cont.-in-part of U.S. Ser. No. 241,596.
 CODEN: USXXCO
 Language: English
 Patent Classifications:
 Class: 424239100; A61K-039/08A

42/3,K/5 (Item 5 from file: 399) Links
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139207733 CA: 139(14)207733a PATENT
 Construction of recombinant single-chain toxins for use in vaccines and toxin assays

Inventor (Author): Shone, Clifford Charles; Quinn, Conrad Padraig; Foster, Keith
 Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne,
 Jonathan
 Location: UK,
 Assignee: Microbiological Research Authority; Speywood Laboratory Limited
 Patent: U.S. Pat. Appl. Publ. : US 20030166238 A1 Date: 20030904
 Application: US 241596 (20020912) *GB 9617671 (19960823) *GB 9625996 (19961213) *US
 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 242689
 (19990223)
 Pages: 37 pp., Cont.-in-part of U.S. Ser. No. 255,829.
 CODEN: USXXCO
 Language: English
 Patent Classifications:
 Class: 435219000; C12N-009/50A; C07H-021/04B; C12P-021/04B; C12N-001/21B;
 C07K-014/33B

>>>w: KWIC option is not available in file(s): 399

? e au=wayne, johnathan?

Ref	Items	Index-term
E1	1	AU=WAYNE, JOHN BRUCE
E2	1	AU=WAYNE, JOHN DAVID ALEXANDER
E3	0	AU=WAYNE, JOHNATHAN?
E4	4	AU=WAYNE, JONATHAN
E5	2	AU=WAYNE, JONATHAN M
E6	1	AU=WAYNE, JONATHAN M.
E7	2	AU=WAYNE, JONATHAN MARK
E8	1	AU=WAYNE, JOSEPH EMMETT, III
E9	1	AU=WAYNE, JOSHUA
E10	1	AU=WAYNE, JR., W.W.
E11	13	AU=WAYNE, JS
E12	1	AU=WAYNE, JULIE RENEE HOLLIDAY
E13	2	AU=WAYNE, K. D.
E14	1	AU=WAYNE, K. R.
E15	1	AU=WAYNE, K.D.
E16	2	AU=WAYNE, K.J.
E17	1	AU=WAYNE, KALYN
E18	3	AU=WAYNE, KAREN
E19	1	AU=WAYNE, KAREN S

singlechaintoxin.txt
 E20 1 AU=WAYNE, KATHRYN R.
 E21 1 AU=WAYNE, KATHRYN ROSS
 E22 1 AU=WAYNE, KENNETH ERIC
 E23 1 AU=WAYNE, KENNETH S.
 E24 1 AU=WAYNE, KERSTIN PERSSON
 E25 1 AU=WAYNE, KEVIN D
 Enter PAGE for more

? s e4-e7
 4 AU=WAYNE, JONATHAN
 2 AU=WAYNE, JONATHAN M
 1 AU=WAYNE, JONATHAN M.
 2 AU=WAYNE, JONATHAN MARK
 S43 9 S E4-E7

? s s43 and toxin
 9 S43
 1038535 TOXIN
 S44 4 S S43 AND TOXIN

? s s44/3,k/1-4
 >>>W: Invalid syntax
 >>>E: There is no result

? s s44
 S45 4 S S44

? t s45/3,k/1-4
 >>>W: KWIC option is not available in file(s): 399
 45/3,k/1 (Item 1 from file: 399) Links
 Fulltext available through: STIC Full Text Retrieval Options
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147023292 CA: 147(2)23292g JOURNAL
 Re-engineering the target specificity of clostridial neurotoxins - a route to novel
 therapeutics
 Author: Foster, Keith A.; Adams, Emily J.; Durose, Lyndsey; Cruttwell, Caroline J.;
 Marks, Elizabeth; Shone, Clifford C.; Chaddock, John A.; Cox, Clare L.; Heaton,
 Charlotte; Sutton, J. Mark; Wayne, Jonathan; Alexander, Frances C. G.; Rogers,
 Duncan F.
 Location: Centre for Emergency Preparedness & Response, Health Protection Agency,
 Salisbury, UK, SP4 0JG
 Journal: Neurotoxic. Res.
 Date: 2006
 Volume: 9 Number: 2,3 Pages: 101-107
 CODEN: NURRFI
 ISSN: 1029-8428
 Language: English
 Publisher: F. P. Graham Publishing Co.

45/3,K/2 (Item 2 from file: 399) Links
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143417270 CA: 143(23)417270f PATENT
 recombinant expression of clostridial neurotoxin light and heavy chain domain and
 its antibody and DNA vaccine applications
 Inventor (Author): Shone, Charles Clifford; Quinn, Conrad Padraig; Foster, Keith
 Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne,
 Jonathan
 Location: UK,

singlechaintoxin.txt
 Patent: U.S. Pat. Appl. Publ. ; US 20050244435 A1 Date: 20051103
 Application: US 200577550 (20050311) *GB 9617671 (19960823) *GB 9625996 (19961213)
 *US 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 2002241596
 (20020912)
 Pages: 45 pp., Cont.-in-part of U.S. Ser. No. 241,596.
 CODEN: USXXCO
 Language: English
 Patent Classifications:
 Class: 424239100; A61K-039/08A

45/3,K/3 (Item 3 from file: 399) Links
 Fulltext available through: STIC Full Text Retrieval Options
 CA SEARCH(R)
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143280836 CA: 143(16)280836y JOURNAL
 Preparation of specifically activatable endopeptidase derivatives of Clostridium
 botulinum toxins type A, B, and C and their applications
 Author: Sutton, J. Mark; Wayne, Jonathan; Scott-Tucker, Anthony; O'Brien, Susan M.;
 Marks, Philip M. H.; Alexander, Frances C. G.; Shone, Clifford C.; Chaddock, John A.

Location: Centre for Applied Microbiology and Research, Health Protection Agency,
 Wiltshire, UK, SP4 0JG
 Journal: Protein Expression Purif.
 Date: 2005
 Volume: 40 Number: 1 Pages: 31-41
 CODEN: PEXPEJ
 ISSN: 1046-5928
 Publisher Item Identifier: 1046-5928(04)00232-3
 Language: English
 Publisher: Elsevier

45/3,K/4 (Item 4 from file: 399) Links
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139207733 CA: 139(14)207733a PATENT
 Construction of recombinant single-chain toxins for use in vaccines and toxin assays
 Inventor (Author): Shone, Clifford Charles; Quinn, Conrad Padraig; Foster, Keith
 Alan; Chaddock, John; Marks, Philip; Sutton, J. Mark; Stancombe, Patrick; Wayne,
 Jonathan
 Location: UK,
 Assignee: Microbiological Research Authority; Speywood Laboratory Limited
 Patent: U.S. Pat. Appl. Publ. ; US 20030166238 A1 Date: 20030904
 Application: US 241596 (20020912) *GB 9617671 (19960823) *GB 9625996 (19961213) *US
 782893 (19961227) *WO 97GB2273 (19970822) *US 255829 (19990223) *US 242689
 (19990223)
 Pages: 37 pp., Cont.-in-part of U.S. Ser. No. 255,829.
 CODEN: USXXCO
 Language: English
 Patent Classifications:
 Class: 435219000; C12N-009/50A; C07H-021/04B; C12P-021/04B; C12N-001/21B;
 C07K-014/33B

Set	Items	Description
S1	68	S E9-E25
S2	0	S S1 AND SACCHARIDE

singlechaintoxin.txt

S3	314	S E1-E11
S4	0	S S3 AND SACCHARIDE
S5	314	S S3
S6	283	RD (unique items)
S7	0	S S6 AND STAPHYLOCCAL
S8	44	S E9-E12
S9	1	S S8 AND SACCHARIDE
S10	21	S E3-E13
S11	21	RD (unique items)
S12	0	S S11 AND STAPH?
S13	21	S S11
S14	21	S S13
S15	21	RD (unique items)
S16	21	RD (unique items)
S17	0	S S16 AND POLYSACC?
S18	21	S S16
S19	624	S E1-E25
S20	624	S S19
S21	0	S S20 AND SACCHARIDE
S22	0	S S21 AND POLY?
S23	0	S S21
S24	624	S S20
S25	0	S S24 AND AUREUS
S26	103	S E1-E8,E24,E25
S27	0	S S25 AND TOXIN
S28	103	S S26
S29	85	RD (unique items)
S30	60	S S29 AND TOXIN
S31	314	S E1-E11
S32	47	S S31 AND TOXIN
S33	42	RD (unique items)
S34	178	S E1-E12
S35	37	S S34 AND TOXIN
S36	28	RD (unique items)
S37	2	S E1-E2
S38	1	S S37 AND TOXIN
S39	565	S E13-E25
S40	0	S S39 AND TOXIN
S41	13	S E1-E5
S42	5	S S41 AND TOXIN
S43	9	S E4-E7
S44	4	S S43 AND TOXIN
S45	4	S S44